Current literature on women’s sexual signaling focuses on modes of attracting potential, new sexual partners, but limited literature examines women’s subtle sexual signals in committed, romantic relationships. No studies examine women’s use of and attitudes about intimate apparel, i.e., sexy underwear. By use of an online survey, this study sought to identify women’s use of intimate apparel as a proceptive or receptive behavior as well as the effects of relative mate value, relationship commitment, relationship satisfaction, and sexual functioning. A total of $N = 353$ women in the United States aged 25-45 who were in committed, heterosexual relationships completed the survey; 88.7% of the sample indicated wearing or having worn sexy underwear. Women who report higher mate value tend to wear sexier underwear, despite the current relationship, suggesting intimate apparel is not a form of proceptivity but a method of increasing attractivity and relationship maintenance, which might be termed underlying receptivity. Findings suggest that these women use intimate apparel to feel sexy, desired, aroused, and to prepare for sex with their partners. This study is the first to examine intimate apparel in relationships and as a sexual signal of proceptivity and receptivity.