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| **POSIX** | **Description** | **ASCII** |
| [:alnum:] | Alphanumeric characters | **[**a-zA-Z0-9**]** |
| [:alpha:] | Alphabetic characters | **[**a-zA-Z**]** |
| [:ascii:] | ASCII characters | **[**\x00-\x7F**]** |
| [:blank:] | Space and tab | **[** \t**]** |
| [:cntrl:] | Control characters | **[**\x00-\x1F\x7F**]** |
| [:digit:] | Digits | **[**0-9**]** |
| [:graph:] | Visible characters (anything except spaces and control characters) | **[**\x21-\x7E**]** |
| [:lower:] | Lowercase letters | **[**a-z**]** |
| [:print:] | Visible characters and spaces (anything except control characters) | **[**\x20-\x7E**]** |
| [:punct:] | Punctuation (and symbols). | **[**!"\#$%&'()\*+, \-./:;<=>?@\[ \\\]^\_‘{|}~**]** |
| [:space:] | All whitespace characters, including line breaks | **[** \t\r\n\v\f**]** |
| [:upper:] | Uppercase letters | **[**A-Z**]** |
| [:word:] | Word characters (letters, numbers and underscores) | **[**A-Za-z0-9\_**]** |
| [:xdigit:] | Hexadecimal digits | **[**A-Fa-f0-9**]** |
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