表1-1 POSIX字符组

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| POSIX字符组 | 说明 | ASCII字符组 | 等价的PCRE  简记法 |
| [:alnum:]\* | 字母字符和数字字符 | [a-zA-Z0-9] |  |
| [:alpha:] | 字母 | [a-zA-Z] |  |
| [:ASCII:] | ASCII字符 | [\x00-\x7F] |  |
| [:blank:] | 空格字符和  制表符 | [ \t] |  |
| [:cntrl:] | 控制字符 | [\x00-\x1F\x7F] |  |
| [:digit:] | 数字字符 | [0-9] | \d |
| [:graph:] | 空白字符之  外的字符 | [\x21-\x7E] |  |
| [:upper:] | 大写字符字符 | [A-Z] |  |
| [:lower:] | 小写字母字符 | [a-z] |  |
| [:print:] | 类似[:graph:]，  但包括空白字符 | [\x20-\x7E] |  |
| [:punct:] | 标点符号 | [][!"#$%&'()\*+,  ./:;<=>?@\^\_`{|}~-] |  |
| [:space:] | 空白字符 | [ \t\r\n\v\f] | \s |
| [:upper:] | 大写字母字符 | [A-Z] |  |
| [:word:]\* | 字母字符 | [A-Za-z0-9\_] | \w |
| [:xdigit:] | 十六进制字符 | [A-Fa-f0-9] |  |

注：标记\*的字符组简记法并不是POSIX规范中的，但使用很多，一般语言中都提供，文档中也会出现。

参考资料：

<http://book.51cto.com/art/201204/332395.htm>

<http://man.chinaunix.net/newsoft/grep/open.htm>