

Converting Colors

Yxy(87.4372, 0.3405, 0.2997)

Have a look what the booklet for
Yxy(87.4372, 0.3405, 0.2997)
contains.

| | |
|--|----|
| Yxy(80.0648, 0.3156, 0.2979) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(80.0648, 0.3156, 0.2979)

Conversions

| Conversions Part 1 | |
|--------------------|----------------------------|
| Format | Color |
| Hex | FFDDFD |
| RGB | 255, 221, 253 |
| RGB Percent | 100%, 87%, 99% |
| CMY | 0.0000, 0.1333, 0.0080 |
| CMYK | 0.00, 0.13, 0.01, 0.00 |
| HSL | 304°, 100%, 93% |
| HSV | 304°, 13%, 100% |
| XYZ | 84.8219, 80.0648, 103.8773 |
| YIQ | 234.8140, 9.9920, 17.1600 |

Conversions

Conversions Part 2

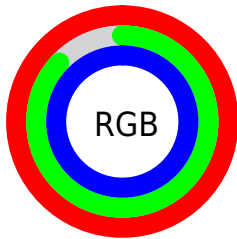
| Format | Color |
|-------------------------------------|--|
| RYB | 255, 221, 253 |
| Decimal | 16768509 |
| CIELab | 91.71, 17.10, -11.17 |
| CIELCh | 92, 20.428, 326.842 |
| Yxy | 80.0648, 0.3156, 0.2979 |
| Android (android.graphics.Color) | 4294958589 (0xFFFFDDFD) |
| YUV | 234.8140, 8.9657, 17.7031 |
| Hunter-Lab | 89.4789, 12.6217, -6.1953 |

Details

The Yxy color 80.0648, 0.3156, 0.2979 is a light color, and the websafe version is hex FFCCFF. A complement of this color would be 92.2240, 0.3099, 0.3622, and the grayscale version is 82.8539, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 43.2637, 0.3163, 0.2918 is the 20% darker color. If you saturate the color by 10%, you get 67.5111, 0.3180, 0.2740, and if you desaturate by 10%, it is 94.6691, 0.3134, 0.3214.

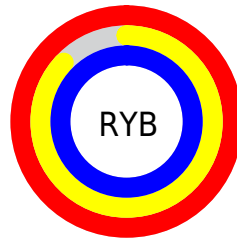
Distribution



Red (100%)

Green (87%)

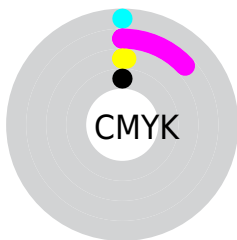
Blue (99%)



Red (100%)

Yellow (87%)

Blue (99%)

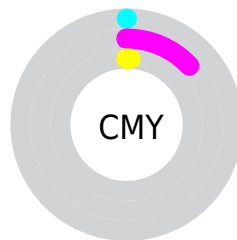


Cyan (0%)

Magenta (13%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (13%)

Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0648, 0.3156, 0.2979 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 80.0648, 0.3156, 0.2979 by changing the saturation by 10% instead.


 80.0648, 0.3156,
0.2979

 80.0648, 0.3156,
0.2979


495.1512, 0.3144,
0.3117

 59.7717, 0.3158,
0.2949


133.4568, 0.3152,
0.3026

 43.2346, 0.3161,
0.2912


167.3245, 0.3151,
0.3044

 30.0693, 0.3164,
0.2867


206.4859, 0.3149,
0.3060

 19.8912, 0.3167,
0.2809

251.3253, 0.3148,
0.3074

 12.3160, 0.3171,
0.2733

302.2271, 0.3147,
0.3087

 6.9592, 0.3176,
0.2629


359.5758, 0.3146,


 3.4366, 0.3180,


0.3098

0.2478


423.7557, 0.3145,
0.3108

 1.3637, 0.3180,
0.2240


 0.1897, 0.3367,
0.1069

 80.0648, 0.3156,
0.2979


 80.0648, 0.3156,
0.2979


 67.5111, 0.3180,
0.2740


 94.6691, 0.3134,
0.3214


 56.9088, 0.3206,
0.2504


100.0000, 0.3127,
0.3290


 48.1614, 0.3233,
0.2280


 41.1613, 0.3260,
0.2077

 35.7898, 0.3287,
0.1906

 31.9135, 0.3312,
0.1774

 29.3779, 0.3336,
0.1685

 27.9951, 0.3356,
0.1640

 27.5332, 0.3369,
0.1629

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0648, 0.2922, 0.2898



80.0648, 0.3156, 0.2979



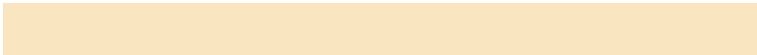
80.0648, 0.3390, 0.3135

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0648, 0.3156, 0.2979



80.0648, 0.3513, 0.3669



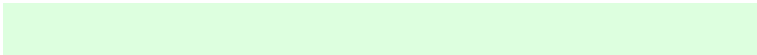
80.0648, 0.2717, 0.3224

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.0648, 0.3156, 0.2979



92.2240, 0.3099, 0.3622

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0648, 0.2864, 0.3449



80.0648, 0.3156, 0.2979



80.0648, 0.3322, 0.3712

Square

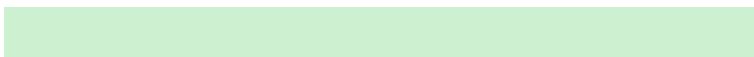
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



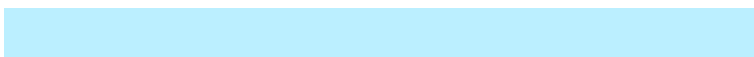
80.0648, 0.3156, 0.2979



80.0648, 0.3600, 0.3527



80.0648, 0.3085, 0.3632



80.0648, 0.2676, 0.3029

Rectangle

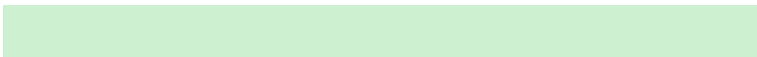
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0648, 0.3156, 0.2979



80.0648, 0.3511, 0.3264



80.0648, 0.3085, 0.3632



80.0648, 0.2756, 0.3299

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.0672, 0.3156, 0.2979



93.6245, 0.3135, 0.3198



74.5797, 0.2924, 0.2937



19.7910, 0.3137, 0.3181



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0672, 0.3156, 0.2979



76.5177, 0.3162, 0.2915



79.0518, 0.3267, 0.3139



18.2804, 0.3147, 0.3070



14.3948, 0.3366, 0.1628



1.4071, 0.3346, 0.1617

Inverse Universe

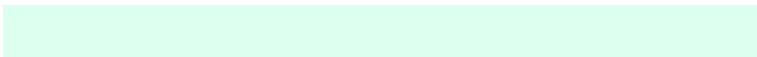
The Inverse Universe completely reimagines the original color for something new.



80.0672, 0.3156, 0.2979



76.5177, 0.3162, 0.2915



93.1673, 0.3006, 0.3446



18.2804, 0.3147, 0.3070



14.3948, 0.3366, 0.1628



1.4071, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 80.0648, 0.3156, 0.2979 looks on a white background.

Color Contrast Check

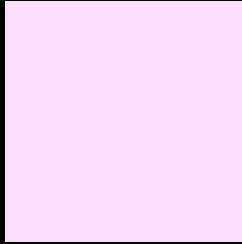
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 80.0648, 0.3156, 0.2979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

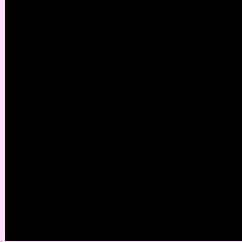
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0648, 0.3156, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 80.0648, 0.3156, 0.2979.

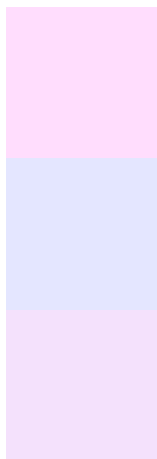


This preview shows how white text looks on a background with the Yxy color 80.0648, 0.3156, 0.2979.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.0648, 0.3156, 0.2979

Protanopia

80.3076, 0.2960, 0.3035

Deuteranopia

80.1118, 0.3085, 0.3021



Tritanopia

80.0089, 0.3220, 0.3112

Trichromacy



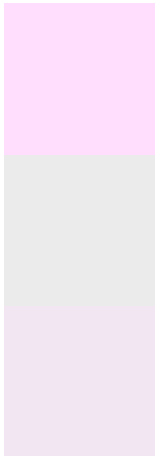
Original Color
80.0648, 0.3156, 0.2979

Protanomaly
80.2711, 0.3032, 0.3019

Deuteranomaly
80.2960, 0.3113, 0.3013

Tritanomaly
79.9060, 0.3201, 0.3064

Monochromacy



Original Color
80.0648, 0.3156, 0.2979

Achromatopsia
83.0770, 0.3127, 0.3290

Achromatomaly
81.8817, 0.3133, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0648, 0.3156, 0.2979 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 221, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 253)  
}
```


If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 221, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 253) }
```

Border

The CSS property to change the border of an element to Yxy 80.0648, 0.3156, 0.2979 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 221, 253) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 221, 253) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 221, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0648, 0.3156, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 253) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
221, 253) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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