

Converting Colors

$Y_{xy}(27.8107, 0.3805, 0.1994)$

Have a look what the booklet for
Yxy(27.8107, 0.3805, 0.1994)
contains.

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Color

Yxy(27.8055, 0.3808, 0.1996)

Conversions

Conversions Part 1

Format	Color
Hex	FF32CA
RGB	255, 50, 202
RGB Percent	100%, 20%, 79%
CMY	0.0000, 0.8041, 0.2078
CMYK	0.00, 0.80, 0.21, 0.00
HSL	316°, 100%, 60%
HSV	316°, 80%, 100%
XYZ	53.0478, 27.8055, 58.4528
YIQ	128.6230, 73.3880, 90.7320

Conversions

Conversions Part 2

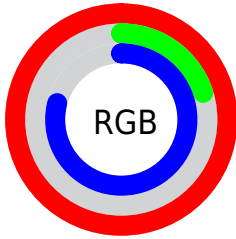
Format	Color
RYB	255, 50, 202
Decimal	16724682
CIELab	59.71, 85.32, -32.01
CIElCh	60, 91.126, 339.436
Yxy	27.8055, 0.3808, 0.1996
Android (android.graphics.Color)	4294914762 (0xFFFF32CA)
YUV	128.6230, 36.1749, 110.8326
Hunter-Lab	52.7309, 87.2935, -28.8120

Details

The Yxy color **27.8055, 0.3808, 0.1996** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **73.1756, 0.2873, 0.5320**, and the grayscale version is **21.6591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9129, 0.3187, 0.2023**, and **13.6075, 0.3920, 0.1933** is the 20% darker color. If you saturate the color by 10%, you get **25.8916, 0.3914, 0.1969**, and if you desaturate by 10%, it is **30.9390, 0.3700, 0.2072**.

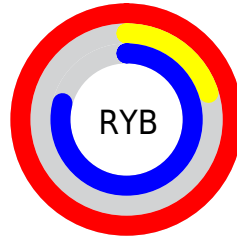
Distribution



Red (100%)

Green (20%)

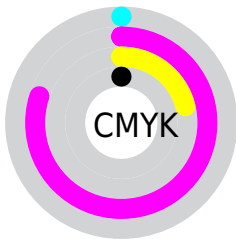
Blue (79%)



Red (100%)

Yellow (20%)

Blue (79%)

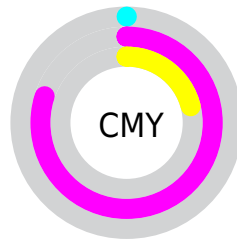


Cyan (0%)

Magenta (80%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8055, 0.3808, 0.1996 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 27.8055, 0.3808, 0.1996 by changing the saturation by 10% instead.


 27.8055, 0.3808,
0.1996


 27.8055, 0.3808,
0.1996


291.5364, 0.3481,
0.2611


 18.1791, 0.3884,
0.1855


 56.1738, 0.3693,
0.2211

 11.0786, 0.3979,
0.1682


 75.6844, 0.3648,
0.2294


 6.1198, 0.4099,
0.1465


 99.2586, 0.3610,
0.2365

 2.9180, 0.4253,
0.1192

 127.2807, 0.3577,
0.2427

 1.0891, 0.4454,
0.0845

 160.1351, 0.3549,
0.2482

 0.0000, 0.4925,
0.0000

198.2063, 0.3523,


 0.0000, 0.5031,


0.2530


0.0000


241.8786, 0.3501,
0.2572

 0.0000, 0.0000,
0.0000

 27.8055, 0.3808,
0.1996

 27.8055, 0.3808,
0.1996


 25.8916, 0.3914,
0.1969


 30.9390, 0.3700,
0.2072

 24.9382, 0.4012,
0.1984

 35.4765, 0.3595,
0.2192

 41.5629, 0.3494,
0.2346

 49.3270, 0.3402,
0.2523

 58.8840, 0.3319,
0.2713

70.3390, 0.3246,
0.2907

83.7889, 0.3183,
0.3098

99.3239, 0.3129,
0.3283

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.8055, 0.2379, 0.1533



27.8055, 0.3808, 0.1996



27.8055, 0.5290, 0.2682

Triad

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



27.8055, 0.3808, 0.1996



27.8055, 0.4443, 0.5380



27.8055, 0.0969, 0.2113

Complementary

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



27.8055, 0.3808, 0.1996



73.1756, 0.2873, 0.5320

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.



27.8055, 0.1260, 0.3486



27.8055, 0.3808, 0.1996



27.8055, 0.3235, 0.6114

Square

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



27.8055, 0.3808, 0.1996



27.8055, 0.5463, 0.4341



27.8055, 0.2069, 0.5402



27.8055, 0.1053, 0.1510

Rectangle

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



27.8055, 0.3808, 0.1996



27.8055, 0.5825, 0.3190



27.8055, 0.2069, 0.5402



27.8055, 0.1017, 0.2469

Sweetspot

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



27.8028, 0.3808, 0.1996



65.9974, 0.3271, 0.2837



12.2778, 0.1855, 0.0926



13.2584, 0.3297, 0.2768



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.



27.8028, 0.3808, 0.1996



25.2753, 0.3971, 0.1974



24.4821, 0.5329, 0.2916



18.2155, 0.3178, 0.3115



13.0564, 0.3995, 0.1975



1.2891, 0.3885, 0.1914

Inverse Universe

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



27.8028, 0.3808, 0.1996



25.2753, 0.3971, 0.1974



76.5444, 0.2475, 0.3952



18.2155, 0.3178, 0.3115



13.0564, 0.3995, 0.1975



1.2891, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 27.8055, 0.3808, 0.1996 looks on a white background.

Color Contrast Check

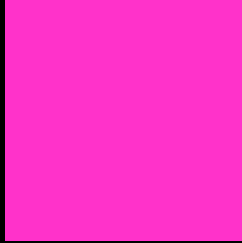
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8055, 0.3808, 0.1996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

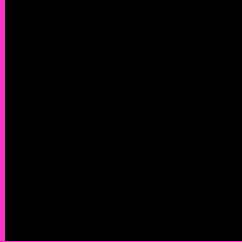
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8055, 0.3808, 0.1996

Background



This preview shows how black text looks on a background with the Yxy color 27.8055, 0.3808, 0.1996.



This preview shows how white text looks on a background with the Yxy color 27.8055, 0.3808, 0.1996.

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

27.8055, 0.3808, 0.1996

Protanopia

28.4434, 0.2004, 0.1793

Deuteranopia

28.0503, 0.2620, 0.2566



Tritanopia

27.7314, 0.5124, 0.3250

Trichromacy



Original Color

27.8055, 0.3808, 0.1996



Protanomaly

23.2653, 0.2389, 0.1680



Deuteranomaly

24.1794, 0.2991, 0.2169



Tritanomaly

26.8931, 0.4677, 0.2741

Monochromacy



Original Color

27.8055, 0.3808, 0.1996



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.6286, 0.3410, 0.2491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8055, 0.3808, 0.1996 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, 50, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 202)  
}
```

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, 50, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 202) }
```

Border

The CSS property to change the border of an element to Yxy 27.8055, 0.3808, 0.1996 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, 50, 202) }
```

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

```
.border{ border-color:rgb(255, 50, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 50, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8055, 0.3808, 0.1996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 202) }
```

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

```
.background{ background-color: rgb(255, 50,  
202) }
```

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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