

Converting Colors

$Y_{xy}(70.1042, 0.5049, 0.2624)$

Have a look what the booklet for
Yxy(70.1042, 0.5049, 0.2624)
contains.

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Color

Yxy(27.9803, 0.3806, 0.2005)

Conversions

Conversions Part 1

Format	Color
Hex	FF34CA
RGB	255, 52, 202
RGB Percent	100%, 20%, 79%
CMY	0.0002, 0.7956, 0.2080
CMYK	0.00, 0.80, 0.21, 0.00
HSL	316°, 100%, 60%
HSV	316°, 80%, 100%
XYZ	53.1137, 27.9803, 58.4586
YIQ	129.7970, 72.8380, 89.6860

Conversions

Conversions Part 2

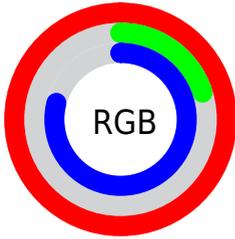
Format	Color
R _Y B	255, 52, 202
Decimal	16725194
CIE Lab	59.87, 84.81, -31.74
CIE LCh	60, 90.553, 339.481
Yxy	27.9803, 0.3806, 0.2005
Android (android.graphics.Color)	4294915274 (0xFFFF34CA)
YUV	129.7970, 35.5961, 109.8030
Hunter-Lab	52.8964, 86.6646, -28.4970

Details

The Yxy color **27.9803, 0.3806, 0.2005** 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 **73.2482, 0.2870, 0.5292**, and the grayscale version is **22.1214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1547, 0.3186, 0.2031**, and **13.6075, 0.3920, 0.1933** is the 20% darker color. If you saturate the color by 10%, you get **25.9729, 0.3913, 0.1974**, and if you desaturate by 10%, it is **31.2319, 0.3697, 0.2085**.

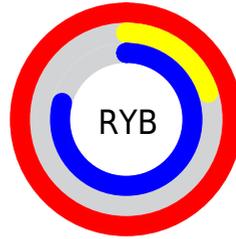
Distribution



Red (100%)

Green (20%)

Blue (79%)



Red (100%)

Yellow (20%)

Blue (79%)

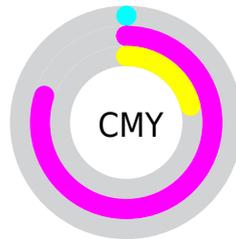


Cyan (0%)

Magenta (80%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9803, 0.3806, 0.2005 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 27.9803, 0.3806, 0.2005 by changing the saturation by 10% instead.

 27.9803, 0.3806,
0.2005

 27.9803, 0.3806,
0.2005

292.3728, 0.3480,
0.2615

 18.3108, 0.3882,
0.1865

 56.4530, 0.3691,
0.2218

 11.1734, 0.3977,
0.1692

 76.0250, 0.3647,
0.2301

 6.1836, 0.4097,
0.1477

 99.6666, 0.3609,
0.2372

 2.9570, 0.4251,
0.1205

 127.7622, 0.3576,
0.2433

 1.1093, 0.4453,
0.0859

 160.6962, 0.3547,
0.2487

 0.0000, 0.4932,
0.0000

198.8531, 0.3522,

 0.0000, 0.5041,

0.2535

0.0000

242.6171, 0.3500,
0.2578

 0.0000, 0.0000,
0.0000

 27.9803, 0.3806,
0.2005

 27.9803, 0.3806,
0.2005

 25.9729, 0.3913,
0.1974

 31.2319, 0.3697,
0.2085

 24.9353, 0.4017,
0.1988

 35.8967, 0.3590,
0.2207

 24.8978, 0.4022,
0.1989

 42.1216, 0.3490,
0.2363

 50.0340, 0.3397,
0.2541

 59.7483, 0.3314,
0.2731

71.3686, 0.3241,
0.2925

84.9912, 0.3179,
0.3115

99.9918, 0.3127,
0.3290

Harmonies

Analogous

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



27.9803, 0.2386, 0.1544



27.9803, 0.3806, 0.2005



27.9803, 0.5274, 0.2689

Triad

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



27.9803, 0.3806, 0.2005



27.9803, 0.4440, 0.5373



27.9803, 0.0980, 0.2121

Complementary

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



27.9803, 0.3806, 0.2005



73.2482, 0.2870, 0.5292

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.



27.9803, 0.1272, 0.3484



27.9803, 0.3806, 0.2005



27.9803, 0.3239, 0.6091

Square

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



27.9803, 0.3806, 0.2005



27.9803, 0.5451, 0.4343



27.9803, 0.2077, 0.5379



27.9803, 0.1064, 0.1521

Rectangle

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



27.9803, 0.3806, 0.2005



27.9803, 0.5807, 0.3196



27.9803, 0.2077, 0.5379



27.9803, 0.1029, 0.2476

Sweetspot

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



27.9817, 0.3806, 0.2005



65.9873, 0.3272, 0.2839



12.5581, 0.1867, 0.0944



13.2559, 0.3299, 0.2770



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.



27.9817, 0.3806, 0.2005



25.3346, 0.3970, 0.1978



24.6949, 0.5296, 0.2913



18.2146, 0.3178, 0.3116



13.0405, 0.4005, 0.1980



1.2876, 0.3894, 0.1919

Inverse Universe

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



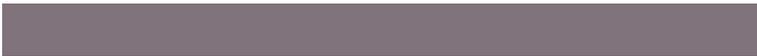
27.9817, 0.3806, 0.2005



25.3346, 0.3970, 0.1978



76.5975, 0.2476, 0.3944



18.2146, 0.3178, 0.3116



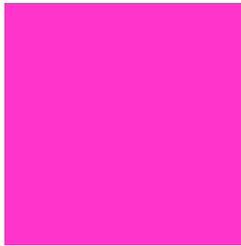
13.0405, 0.4005, 0.1980



1.2876, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 27.9803, 0.3806, 0.2005 looks on a white background.

Color Contrast Check

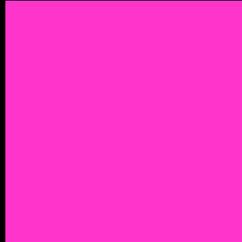
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9803, 0.3806, 0.2005 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

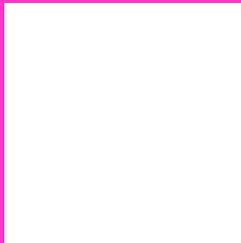
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.9803, 0.3806, 0.2005

Background



This preview shows how black text looks on a background with the Yxy color 27.9803, 0.3806, 0.2005.



This preview shows how white text looks on a background with the Yxy color 27.9803, 0.3806, 0.2005.

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

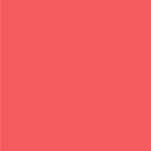
27.9803, 0.3806, 0.2005

Protanopia

28.4939, 0.2008, 0.1794

Deuteranopia

28.0503, 0.2620, 0.2566



Tritanopia

27.9195, 0.5104, 0.3249

Trichromacy



Original Color

27.9803, 0.3806, 0.2005



Protanomaly

23.5727, 0.2399, 0.1695



Deuteranomaly

24.1794, 0.2991, 0.2169



Tritanomaly

27.1968, 0.4654, 0.2746

Monochromacy



Original Color

27.9803, 0.3806, 0.2005



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.0170, 0.3407, 0.2518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9803, 0.3806, 0.2005 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, 52, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 52, 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, 52, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 52, 202) }
```

Border

The CSS property to change the border of an element to Yxy 27.9803, 0.3806, 0.2005 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, 52, 202) }
```

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

```
.border{ border-color:rgb(255, 52, 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, 52, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 52, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 52, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 52,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9803, 0.3806, 0.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 52, 202) }
```

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

```
.background{ background-color: rgb(255, 52,  
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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