

Converting Colors

$Y_{xy}(27.8487, 0.3819, 0.2008)$

Have a look what the booklet for
Yxy(27.8487, 0.3819, 0.2008)
contains.

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Color

Yxy(27.8447, 0.3820, 0.2008)

Conversions

Conversions Part 1

Format	Color
Hex	FF33C9
RGB	255, 51, 201
RGB Percent	100%, 20%, 79%
CMY	0.0000, 0.8001, 0.2117
CMYK	0.00, 0.80, 0.21, 0.00
HSL	316°, 100%, 60%
HSV	316°, 80%, 100%
XYZ	52.9715, 27.8447, 57.8526
YIQ	129.0960, 73.4340, 89.8980

Conversions

Conversions Part 2

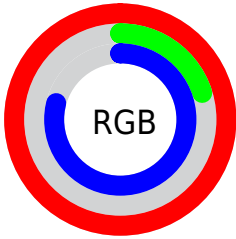
Format	Color
R_{YB}	255, 51, 201
Decimal	16724937
CIE _{Lab}	59.75, 84.97, -31.39
CIE _{LCh}	60, 90.581, 339.725
Yxy	27.8447, 0.3820, 0.2008
Android (android.graphics.Color)	4294915017 (0xFFFF33C9)
YUV	129.0960, 35.4487, 110.4178
Hunter-Lab	52.7681, 86.8440, -28.0653

Details

The Yxy color **27.8447, 0.3820, 0.2008** 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 **73.2423, 0.2868, 0.5295**, and the grayscale version is **21.8385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1547, 0.3186, 0.2031**, and **13.5759, 0.3938, 0.1943** is the 20% darker color. If you saturate the color by 10%, you get **25.8832, 0.3929, 0.1980**, and if you desaturate by 10%, it is **31.0377, 0.3709, 0.2085**.

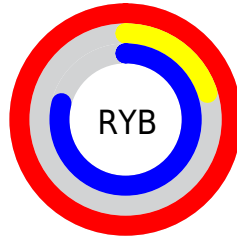
Distribution



Red (100%)

Green (20%)

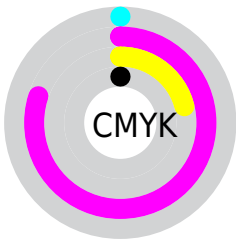
Blue (79%)



Red (100%)

Yellow (20%)

Blue (79%)

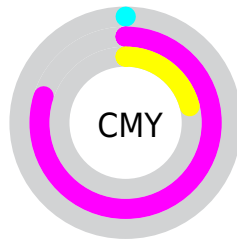


Cyan (0%)

Magenta (80%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8447, 0.3820, 0.2008 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 27.8447, 0.3820, 0.2008 by changing the saturation by 10% instead.


 27.8447, 0.3820,
0.2008


 27.8447, 0.3820,
0.2008


291.7241, 0.3486,
0.2618


 18.2086, 0.3899,
0.1868


 56.2364, 0.3702,
0.2221

 11.0999, 0.3996,
0.1695


 75.7608, 0.3657,
0.2304


 6.1341, 0.4120,
0.1479


 99.3501, 0.3618,
0.2375

 2.9268, 0.4280,
0.1206

 127.3888, 0.3584,
0.2436

 1.0936, 0.4491,
0.0859

 160.2611, 0.3555,
0.2490

 0.0000, 0.4986,
0.0000

198.3515, 0.3529,


 0.0000, 0.5118,

0.2538

0.0000

242.0443, 0.3506,
0.2580


 0.0000, 0.0000,
0.0000


 27.8447, 0.3820,
0.2008


 27.8447, 0.3820,
0.2008

 25.8832, 0.3929,
0.1980


 31.0377, 0.3709,
0.2085

 24.8706, 0.4034,
0.1996

 35.6399, 0.3601,
0.2205

 41.7971, 0.3498,
0.2359

 49.6374, 0.3404,
0.2536

 59.2756, 0.3320,
0.2725

70.8165, 0.3246,
0.2918

84.3567, 0.3182,
0.3107

99.9862, 0.3127,
0.3290

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.



27.8447, 0.2395, 0.1544



27.8447, 0.3820, 0.2008



27.8447, 0.5288, 0.2694

Triad

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



27.8447, 0.3820, 0.2008



27.8447, 0.4431, 0.5384



27.8447, 0.0977, 0.2111

Complementary

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



27.8447, 0.3820, 0.2008



73.2423, 0.2868, 0.5295

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.



27.8447, 0.1265, 0.3469



27.8447, 0.3820, 0.2008



27.8447, 0.3227, 0.6098

Square

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



27.8447, 0.3820, 0.2008



27.8447, 0.5447, 0.4351



27.8447, 0.2066, 0.5370



27.8447, 0.1064, 0.1516

Rectangle

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



27.8447, 0.3820, 0.2008



27.8447, 0.5814, 0.3201



27.8447, 0.2066, 0.5370



27.8447, 0.1024, 0.2464

Sweetspot

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



27.8438, 0.3820, 0.2008



65.9752, 0.3274, 0.2841



12.4097, 0.1860, 0.0934



13.2530, 0.3301, 0.2772



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.



27.8438, 0.3820, 0.2008



25.2092, 0.3992, 0.1986



24.5848, 0.5313, 0.2914



18.2135, 0.3179, 0.3117



13.0214, 0.4017, 0.1987



1.2859, 0.3904, 0.1924

Inverse Universe

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



27.8438, 0.3820, 0.2008



25.2092, 0.3992, 0.1986



76.5826, 0.2476, 0.3948



18.2135, 0.3179, 0.3117



13.0214, 0.4017, 0.1987



1.2859, 0.3904, 0.1924

Previews

White Background



This preview shows how the Yxy color 27.8447, 0.3820, 0.2008 looks on a white background.

Color Contrast Check

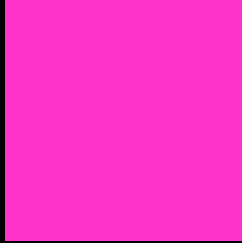
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8447, 0.3820, 0.2008 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 27.8447, 0.3820, 0.2008

Background



This preview shows how black text looks on a background with the Yxy color 27.8447, 0.3820, 0.2008.



This preview shows how white text looks on a background with the Yxy color 27.8447, 0.3820, 0.2008.

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

27.8447, 0.3820, 0.2008

Protanopia

28.4434, 0.2004, 0.1793

Deuteranopia

28.0067, 0.2628, 0.2579



Tritanopia

27.7314, 0.5124, 0.3250

Trichromacy



Original Color

27.8447, 0.3820, 0.2008



Protanomaly

23.2073, 0.2396, 0.1688



Deuteranomaly

24.1346, 0.3001, 0.2180



Tritanomaly

27.0299, 0.4673, 0.2749

Monochromacy



Original Color

27.8447, 0.3820, 0.2008



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.7879, 0.3421, 0.2518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8447, 0.3820, 0.2008 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, 51, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 201)  
}
```

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, 51, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 201) }
```

Border

The CSS property to change the border of an element to Yxy 27.8447, 0.3820, 0.2008 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, 51, 201) }
```

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

```
.border{ border-color:rgb(255, 51, 201) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8447, 0.3820, 0.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 201) }
```

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

```
.background{ background-color: rgb(255, 51,  
201) }
```

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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