

Converting Colors

$Y_{xy}(20.2798, 0.2674, 0.1389)$

Have a look what the booklet for
Yxy(20.2798, 0.2674, 0.1389)
contains.

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Color

Yxy(20.2798, 0.2674, 0.1389)

Conversions

Conversions Part 1

Format	Color
Hex	BF37F3
RGB	191, 55, 243
RGB Percent	75%, 22%, 95%
CMY	0.2508, 0.7846, 0.0469
CMYK	0.21, 0.77, 0.00, 0.05
HSL	283°, 89%, 58%
HSV	283°, 77%, 95%
XYZ	39.0412, 20.2798, 86.6819
YIQ	117.0960, 20.7080, 87.3000

Conversions

Conversions Part 2

Format	Color
R _{YB}	191, 55, 243
Decimal	12531699
CIE _{Lab}	52.15, 77.92, -67.86
CIE _{LCh}	52, 103.324, 318.947
Y _{xy}	20.2798, 0.2674, 0.1389
Android (android.graphics.Color)	4290721779 (0xFFBF37F3)
YUV	117.0960, 62.0707, 64.8138
Hunter-Lab	45.0331, 75.9416, -82.6011

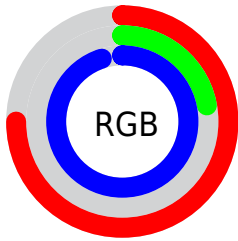
Details

The Yxy color **20.2798, 0.2674, 0.1389** is a light color, and the websafe version is hex **CC33FF**.

The color can be described as light washed purple. A complement of this color would be **67.5218, 0.3209, 0.5584**, and the grayscale version is **17.6117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4062, 0.3161, 0.1982**, and **8.4507, 0.2485, 0.1143** is the 20% darker color. If you saturate the color by 10%, you get **17.6639, 0.2599, 0.1257**, and if you desaturate by 10%, it is **24.0721, 0.2750, 0.1568**.

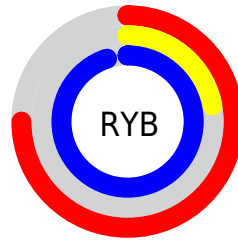
Distribution



Red (75%)

Green (22%)

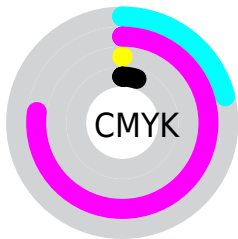
Blue (95%)



Red (75%)

Yellow (22%)

Blue (95%)

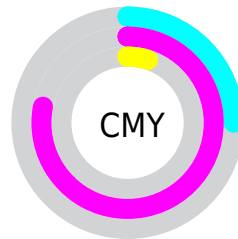


Cyan (21%)

Magenta (77%)

Yellow (0%)

Black (5%)



Cyan (25%)


Magenta (78%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2798, 0.2674, 0.1389 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 20.2798, 0.2674, 0.1389 by changing the saturation by 10% instead.


 20.2798, 0.2674,
0.1389


 20.2798, 0.2674,
0.1389

253.4258, 0.2965,
0.2254


 12.5986, 0.2587,
0.1209


 43.8858, 0.2791,
0.1678

 7.1527, 0.2471,
0.0999


 60.5794, 0.2832,
0.1795

 3.5578, 0.2310,
0.0759


 81.0459, 0.2865,
0.1896

 1.4294, 0.2081,
0.0494

 105.6697, 0.2893,
0.1986

 0.2383, 0.1765,
0.0145

 134.8352, 0.2915,
0.2065

 0.0000, 0.1281,
0.0000

168.9268, 0.2934,


 0.0000, 0.0065,


0.2135


0.0000

208.3289, 0.2951,
0.2198


 0.0000, 0.0000,
0.0000


 20.2798, 0.2674,
0.1389


 20.2798, 0.2674,
0.1389


 17.6639, 0.2599,
0.1257


 24.0721, 0.2750,
0.1568

 16.0286, 0.2526,
0.1173


 29.1861, 0.2824,
0.1787

 15.6865, 0.2508,
0.1155


 35.7483, 0.2893,
0.2036


 43.8694, 0.2956,
0.2303

 53.6493, 0.3012,
0.2576

 65.1794, 0.3061,
0.2847

 78.5443, 0.3101,
0.3107

 93.8231, 0.3135,
0.3352

 98.5968, 0.3175,
0.3406

Harmonies

Analogous

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



20.2798, 0.1460, 0.1110



20.2798, 0.2674, 0.1389



20.2798, 0.4580, 0.1980

Triad

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



20.2798, 0.2674, 0.1389



20.2798, 0.5362, 0.4638



20.2798, 0.0786, 0.2781

Complementary

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



20.2798, 0.2674, 0.1389



67.5218, 0.3209, 0.5584

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.



20.2798, 0.1410, 0.5284



20.2798, 0.2674, 0.1389



20.2798, 0.3978, 0.6022

Square

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



20.2798, 0.2674, 0.1389



20.2798, 0.6300, 0.3553



20.2798, 0.2584, 0.6853



20.2798, 0.0671, 0.1553

Rectangle

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



20.2798, 0.2674, 0.1389



20.2798, 0.5776, 0.2484



20.2798, 0.2584, 0.6853



20.2798, 0.0922, 0.3492

Sweetspot

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



20.2806, 0.2674, 0.1389



65.1716, 0.3034, 0.2694



18.0570, 0.1804, 0.1408



12.9908, 0.3016, 0.2596



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.



20.2806, 0.2674, 0.1389



18.5232, 0.2556, 0.1203



26.0652, 0.3670, 0.1951



16.5246, 0.3094, 0.3054



8.6768, 0.2519, 0.1161



0.8136, 0.2608, 0.1210

Inverse Universe

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



22.8476, 0.5125, 0.2857



22.3186, 0.5688, 0.2950



65.7741, 0.2898, 0.5334



16.5578, 0.3250, 0.3225



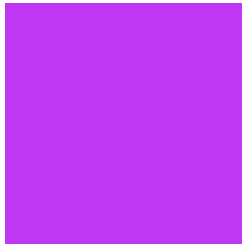
10.7010, 0.5845, 0.2994



0.9572, 0.5492, 0.2799

Previews

White Background



This preview shows how the Yxy color 20.2798, 0.2674, 0.1389 looks on a white background.

Color Contrast Check

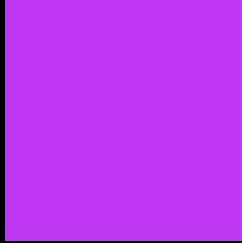
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2798, 0.2674, 0.1389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

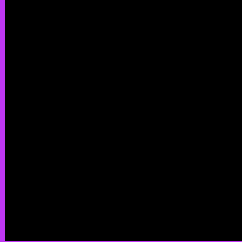
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2798, 0.2674, 0.1389

Background



This preview shows how black text looks on a background with the Yxy color 20.2798, 0.2674, 0.1389.



This preview shows how white text looks on a background with the Yxy color 20.2798, 0.2674, 0.1389.

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

20.2798, 0.2674, 0.1389

Protanopia

20.5887, 0.1737, 0.1454

Deuteranopia

20.5606, 0.1830, 0.1788



Tritanopia

20.0661, 0.3957, 0.3171

Trichromacy



Original Color

20.2798, 0.2674, 0.1389



Protanomaly

16.5331, 0.1799, 0.1245



Deuteranomaly

16.3421, 0.1864, 0.1415



Tritanomaly

18.9382, 0.3427, 0.2290

Monochromacy



Original Color

20.2798, 0.2674, 0.1389



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.5790, 0.2934, 0.2199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2798, 0.2674, 0.1389 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(191, 55, 243)` looks like.

```
.text, #text, p{  
    color:rgb(191, 55, 243)  
}
```

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(191, 55, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 55, 243) }
```

Border

The CSS property to change the border of an element to Yxy 20.2798, 0.2674, 0.1389 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(191, 55, 243) }
```

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

```
.border{ border-color:rgb(191, 55, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 55, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 55, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 55, 243);  
box-shadow:4px 4px 4px 4px rgb(191, 55,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2798, 0.2674, 0.1389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 55, 243) }
```

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

```
.background{ background-color: rgb(191, 55,  
243) }
```

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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