

Converting Colors

$Y_{xy}(20.9729, 0.2752, 0.1707)$

Have a look what the booklet for
Yxy(20.9729, 0.2752, 0.1707)
contains.

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Color

Yxy(20.8954, 0.2754, 0.1705)

Conversions

Conversions Part 1

Format	Color
Hex	B056D9
RGB	176, 86, 217
RGB Percent	69%, 34%, 85%
CMY	0.3099, 0.6626, 0.1490
CMYK	0.19, 0.60, 0.00, 0.15
HSL	281°, 63%, 59%
HSV	281°, 60%, 85%
XYZ	33.7513, 20.8954, 67.9070
YIQ	127.8440, 11.5890, 59.8210

Conversions

Conversions Part 2

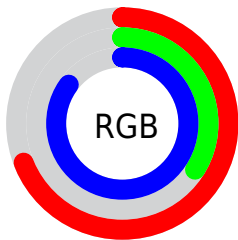
Format	Color
R _Y B	176, 86, 217
Decimal	11556569
CIE Lab	52.83, 57.37, -52.20
CIE LCh	53, 77.558, 317.702
Yxy	20.8954, 0.2754, 0.1705
Android (android.graphics.Color)	4289746649 (0xFFB056D9)
YUV	127.8440, 43.9539, 42.2328
Hunter-Lab	45.7115, 51.8012, -56.0806

Details

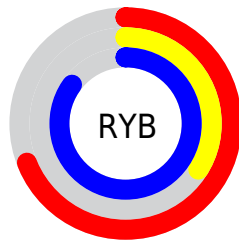
The Yxy color **20.8954, 0.2754, 0.1705** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **54.8214, 0.3277, 0.5094**, and the grayscale version is **21.3739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4686, 0.2999, 0.2125**, and **7.4948, 0.2590, 0.1326** is the 20% darker color. If you saturate the color by 10%, you get **17.1672, 0.2669, 0.1489**, and if you desaturate by 10%, it is **25.7168, 0.2835, 0.1953**.

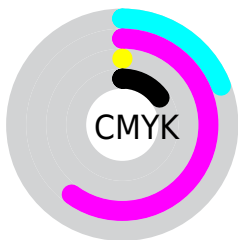
Distribution



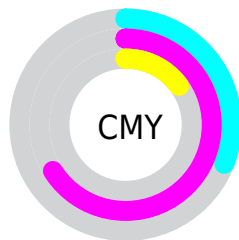
- Red (69%)
- Green (34%)
- Blue (85%)



- Red (69%)
- Yellow (34%)
- Blue (85%)



- Cyan (19%)
- Magenta (60%)
- Yellow (0%)
- Black (15%)




- Cyan (31%)
- Magenta (66%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8954, 0.2754, 0.1705 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 20.8954, 0.2754, 0.1705 by changing the saturation by 10% instead.


 20.8954, 0.2754,
0.1705


 20.8954, 0.2754,
0.1705


256.7221, 0.2989,
0.2471


 13.0476, 0.2681,
0.1530


 44.9134, 0.2850,
0.1973


 7.4613, 0.2582,
0.1318


 61.8523, 0.2883,
0.2077

 3.7522, 0.2438,
0.1060


 82.5904, 0.2910,
0.2166

 1.5360, 0.2223,
0.0749

 107.5121, 0.2932,
0.2243

 0.3138, 0.1908,
0.0296

137.0017, 0.2950,
0.2311

 0.0000, 0.1342,
0.0000

171.4436, 0.2965,

 0.0000, 0.0000,

0.2370

0.0000

211.2223, 0.2978,
0.2423

■ 20.8954, 0.2754,
0.1705

■ 20.8954, 0.2754,
0.1705

■ 17.1672, 0.2669,
0.1489

■ 25.7168, 0.2835,
0.1953

■ 14.4304, 0.2584,
0.1315

■ 31.7156, 0.2909,
0.2220

■ 12.5682, 0.2500,
0.1189

■ 38.9706, 0.2976,
0.2495

■ 11.4003, 0.2423,
0.1108

■ 47.5530, 0.3034,
0.2769

■ 57.5285, 0.3084,
0.3032

■ 68.9583, 0.3126,
0.3281

■ 81.9002, 0.3160,
0.3513

■ 93.4144, 0.3192,
0.3680

■ 94.5640, 0.3236,
0.3675

Harmonies

Analogous

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



20.8954, 0.1746, 0.1461



20.8954, 0.2754, 0.1705



20.8954, 0.4188, 0.2227

Triad

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



20.8954, 0.2754, 0.1705



20.8954, 0.5154, 0.4609



20.8954, 0.1228, 0.3051

Complementary

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



20.8954, 0.2754, 0.1705



54.8214, 0.3277, 0.5094

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.



20.8954, 0.1880, 0.4792



20.8954, 0.2754, 0.1705



20.8954, 0.4119, 0.5556

Square

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



20.8954, 0.2754, 0.1705



20.8954, 0.5733, 0.3710



20.8954, 0.2951, 0.5916



20.8954, 0.1046, 0.1966

Rectangle

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



20.8954, 0.2754, 0.1705



20.8954, 0.5094, 0.2685



20.8954, 0.2951, 0.5916



20.8954, 0.1387, 0.3588

Sweetspot

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



20.8962, 0.2754, 0.1705



71.5033, 0.3046, 0.2828



22.2998, 0.2089, 0.1939



14.4560, 0.3030, 0.2749



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.



20.8962, 0.2754, 0.1705



23.7106, 0.2650, 0.1445



25.2635, 0.3465, 0.2106



13.0596, 0.3088, 0.3056



6.9589, 0.2434, 0.1115



0.4959, 0.2564, 0.1186

Inverse Universe

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



22.9477, 0.4397, 0.2820



27.4008, 0.4824, 0.2784



52.7377, 0.2928, 0.4906



13.1184, 0.3243, 0.3217



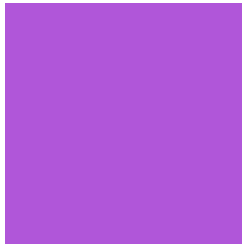
9.1995, 0.5703, 0.2915



0.6113, 0.5237, 0.2659

Previews

White Background



This preview shows how the Yxy color 20.8954, 0.2754, 0.1705 looks on a white background.

Color Contrast Check

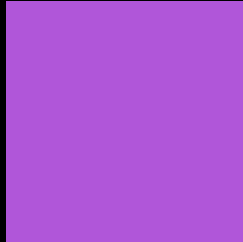
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8954, 0.2754, 0.1705 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 20.8954, 0.2754, 0.1705

Background



This preview shows how black text looks on a background with the Yxy color 20.8954, 0.2754, 0.1705.



This preview shows how white text looks on a background with the Yxy color 20.8954, 0.2754, 0.1705.

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

20.8954, 0.2754, 0.1705

Protanopia

21.4042, 0.1785, 0.1501

Deuteranopia

21.1599, 0.2050, 0.1993



Tritanopia

20.7925, 0.3650, 0.3147

Trichromacy



Original Color

20.8954, 0.2754, 0.1705

Protanomaly

19.3033, 0.1950, 0.1492

Deuteranomaly

19.6568, 0.2220, 0.1810

Tritanomaly

20.2418, 0.3279, 0.2490

Monochromacy



Original Color

20.8954, 0.2754, 0.1705

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.3681, 0.2983, 0.2539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8954, 0.2754, 0.1705 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(176, 86, 217)` looks like.

```
.text, #text, p{  
    color:rgb(176, 86, 217)  
}
```

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(176, 86, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 86, 217) }
```

Border

The CSS property to change the border of an element to Yxy 20.8954, 0.2754, 0.1705 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(176, 86, 217) }
```

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

```
.border{ border-color:rgb(176, 86, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 86, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 86, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 86, 217);  
box-shadow:4px 4px 4px 4px rgb(176, 86,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8954, 0.2754, 0.1705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 86, 217) }
```

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

```
.background{ background-color: rgb(176, 86,  
217) }
```

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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