

Converting Colors

$Y_{xy}(21.2010, 0.2626, 0.1406)$

Have a look what the booklet for
Yxy(21.2010, 0.2626, 0.1406)
contains.

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Color

Yxy(21.2010, 0.2626, 0.1406)

Conversions

Conversions Part 1

Format	Color
Hex	BD40F7
RGB	189, 64, 247
RGB Percent	74%, 25%, 97%
CMY	0.2590, 0.7488, 0.0314
CMYK	0.23, 0.74, 0.00, 0.03
HSL	281°, 92%, 61%
HSV	281°, 74%, 97%
XYZ	39.5973, 21.2010, 89.9912
YIQ	122.2370, 15.7570, 83.4130

Conversions

Conversions Part 2

Format	Color
R _Y B	189, 64, 247
Decimal	12402935
CIE Lab	53.17, 75.29, -68.43
CIE LCh	53, 101.745, 317.731
Yxy	21.2010, 0.2626, 0.1406
Android (android.graphics.Color)	4290593015 (0xFFBD40F7)
YUV	122.2370, 61.5082, 58.5512
Hunter-Lab	46.0445, 72.9282, -83.6474

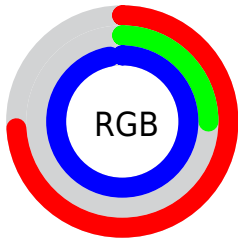
Details

The Yxy color **21.2010, 0.2626, 0.1406** 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 **71.0306, 0.3258, 0.5481**, and the grayscale version is **19.3433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5257, 0.3132, 0.2026**, and **8.4635, 0.2423, 0.1109** is the 20% darker color. If you saturate the color by 10%, you get **18.0278, 0.2539, 0.1250**, and if you desaturate by 10%, it is **25.6624, 0.2713, 0.1608**.

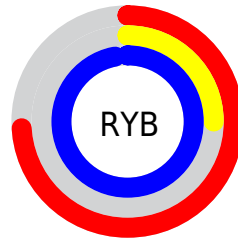
Distribution



Red (74%)

Green (25%)

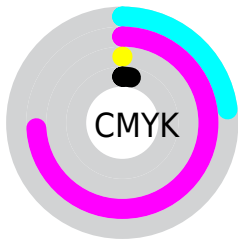
Blue (97%)



Red (74%)

Yellow (25%)

Blue (97%)

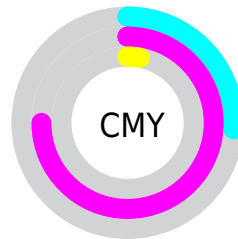


Cyan (23%)

Magenta (74%)

Yellow (0%)

Black (3%)



Cyan (26%)

Magenta (75%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2010, 0.2626, 0.1406 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 21.2010, 0.2626, 0.1406 by changing the saturation by 10% instead.


 21.2010, 0.2626,
0.1406

 21.2010, 0.2626,
0.1406


258.3448, 0.2937,
0.2261


 13.2710, 0.2536,
0.1228


 45.4218, 0.2750,
0.1692


 7.6154, 0.2416,
0.1021


 62.4814, 0.2793,
0.1806


 3.8499, 0.2252,
0.0784


 83.3530, 0.2829,
0.1907

 1.5899, 0.2022,
0.0521

 108.4210, 0.2858,
0.1995

 0.3508, 0.1704,
0.0200

 138.0698, 0.2883,
0.2073

 0.0000, 0.1239,
0.0000

172.6838, 0.2904,


 0.0000, 0.0161,


0.2143

0.0000


212.6473, 0.2922,
0.2205


 0.0000, 0.0000,
0.0000

 21.2010, 0.2626,
0.1406


 21.2010, 0.2626,
0.1406


 18.0278, 0.2539,
0.1250


 25.6624, 0.2713,
0.1608


 15.9632, 0.2456,
0.1145


 31.5549, 0.2797,
0.1846


 15.1083, 0.2408,
0.1100

 39.0045, 0.2876,
0.2109

 48.1226, 0.2948,
0.2386

 59.0101, 0.3011,
0.2663

 71.7599, 0.3065,
0.2933

 86.4582, 0.3111,
0.3190

 98.8635, 0.3152,
0.3367

 99.4947, 0.3174,
0.3367

Harmonies

Analogous

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



21.2010, 0.1459, 0.1141



21.2010, 0.2626, 0.1406



21.2010, 0.4464, 0.1981

Triad

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



21.2010, 0.2626, 0.1406



21.2010, 0.5397, 0.4603



21.2010, 0.0842, 0.2882

Complementary

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



21.2010, 0.2626, 0.1406



71.0306, 0.3258, 0.5481

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.



21.2010, 0.1498, 0.5322



21.2010, 0.2626, 0.1406



21.2010, 0.4061, 0.5939

Square

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



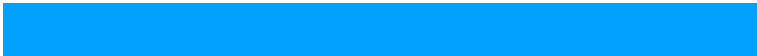
21.2010, 0.2626, 0.1406



21.2010, 0.6262, 0.3545



21.2010, 0.2680, 0.6751



21.2010, 0.0705, 0.1623

Rectangle

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



21.2010, 0.2626, 0.1406



21.2010, 0.5647, 0.2480



21.2010, 0.2680, 0.6751



21.2010, 0.0990, 0.3592

Sweetspot

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



21.2018, 0.2626, 0.1406



66.0600, 0.3022, 0.2719



22.4846, 0.1879, 0.1610



13.3939, 0.3007, 0.2644



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.



21.2018, 0.2626, 0.1406



18.1194, 0.2496, 0.1190



28.4304, 0.3531, 0.1907



16.4893, 0.3087, 0.3053



8.0704, 0.2421, 0.1107



0.7641, 0.2522, 0.1163

Inverse Universe

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



24.8542, 0.4884, 0.2777



23.0141, 0.5416, 0.2835



68.4249, 0.2928, 0.5354



16.5692, 0.3244, 0.3215



10.7743, 0.5702, 0.2915



0.9648, 0.5349, 0.2720

Previews

White Background



This preview shows how the Yxy color 21.2010, 0.2626, 0.1406 looks on a white background.

Color Contrast Check

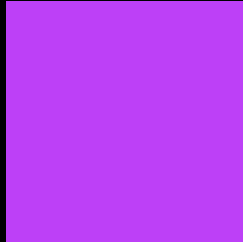
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2010, 0.2626, 0.1406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

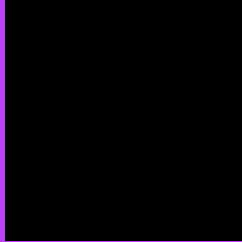
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2010, 0.2626, 0.1406

Background



This preview shows how black text looks on a background with the Yxy color 21.2010, 0.2626, 0.1406.



This preview shows how white text looks on a background with the Yxy color 21.2010, 0.2626, 0.1406.

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

21.2010, 0.2626, 0.1406

Protanopia

21.6772, 0.1775, 0.1497

Deuteranopia

21.5667, 0.1833, 0.1798



Tritanopia

20.9188, 0.3809, 0.3153

Trichromacy



Original Color

21.2010, 0.2626, 0.1406



Protanomaly

18.6057, 0.1892, 0.1336



Deuteranomaly

17.5714, 0.1868, 0.1453



Tritanomaly

19.8120, 0.3303, 0.2280

Monochromacy



Original Color

21.2010, 0.2626, 0.1406



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.2084, 0.2916, 0.2261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2010, 0.2626, 0.1406 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(189, 64, 247)` looks like.

```
.text, #text, p{  
    color:rgb(189, 64, 247)  
}
```

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(189, 64, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 64, 247) }
```

Border

The CSS property to change the border of an element to Yxy 21.2010, 0.2626, 0.1406 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(189, 64, 247) }
```

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

```
.border{ border-color:rgb(189, 64, 247) }
```

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

Here you see how a box with a 4 pixel rgb(189, 64, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 64, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 64, 247);  
box-shadow:4px 4px 4px 4px rgb(189, 64,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2010, 0.2626, 0.1406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 64, 247) }
```

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

```
.background{ background-color: rgb(189, 64,  
247) }
```

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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