

Converting Colors

$Y_{xy}(21.4022, 0.2894, 0.1710)$

Have a look what the booklet for
Yxy(21.4022, 0.2894, 0.1710)
contains.

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Color

Yxy(21.4205, 0.2891, 0.1706)

Conversions

Conversions Part 1

Format	Color
Hex	BD4FD9
RGB	189, 79, 217
RGB Percent	74%, 31%, 85%
CMY	0.2589, 0.6901, 0.1492
CMYK	0.13, 0.64, 0.00, 0.15
HSL	288°, 64%, 58%
HSV	288°, 64%, 85%
XYZ	36.2993, 21.4205, 67.8400
YIQ	127.6220, 21.2620, 66.2380

Conversions

Conversions Part 2

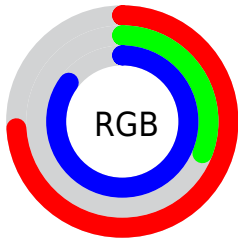
Format	Color
RYB	189, 79, 217
Decimal	12406745
CIELab	53.41, 63.60, -51.15
CIELCh	53, 81.616, 321.189
Yxy	21.4205, 0.2891, 0.1706
Android (android.graphics.Color)	4290596825 (0xFFBD4FD9)
YUV	127.6220, 44.0634, 53.8285
Hunter-Lab	46.2823, 59.0041, -54.5089

Details

The Yxy color **21.4205, 0.2891, 0.1706** 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 **53.2969, 0.3178, 0.5248**, and the grayscale version is **21.2921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5044, 0.3120, 0.2122**, and **7.7181, 0.2763, 0.1327** is the 20% darker color. If you saturate the color by 10%, you get **18.2301, 0.2838, 0.1526**, and if you desaturate by 10%, it is **25.6508, 0.2942, 0.1923**.

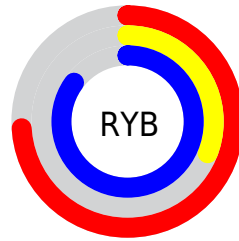
Distribution



Red (74%)

Green (31%)

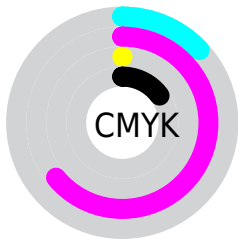
Blue (85%)



Red (74%)

Yellow (31%)

Blue (85%)

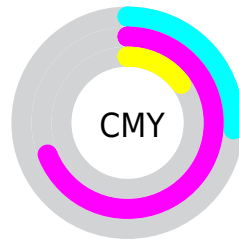


Cyan (13%)

Magenta (64%)

Yellow (0%)

Black (15%)



Cyan (26%)


Magenta (69%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4205, 0.2891, 0.1706 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 21.4205, 0.2891, 0.1706 by changing the saturation by 10% instead.


 21.4205, 0.2891,
0.1706


 21.4205, 0.2891,
0.1706


259.5048, 0.3056,
0.2465


 13.4317, 0.2836,
0.1534


 45.7863, 0.2961,
0.1970


 7.7265, 0.2759,
0.1325


 62.9322, 0.2985,
0.2073

 3.9204, 0.2644,
0.1072


 83.8991, 0.3003,
0.2162

 1.6292, 0.2467,
0.0766

 109.0716, 0.3018,
0.2239

 0.3771, 0.2197,
0.0341

 138.8340, 0.3030,
0.2306

 0.0000, 0.1711,
0.0000

173.5708, 0.3040,

 0.0000, 0.0000,

0.2365

0.0000

213.6663, 0.3049,
0.2418

■ 21.4205, 0.2891,
0.1706

■ 21.4205, 0.2891,
0.1706

■ 18.2301, 0.2838,
0.1526

■ 25.6508, 0.2942,
0.1923

■ 15.9732, 0.2783,
0.1389

■ 31.0083, 0.2988,
0.2167

■ 14.5251, 0.2729,
0.1298

■ 37.5738, 0.3029,
0.2426

■ 13.8868, 0.2695,
0.1258

■ 45.4200, 0.3065,
0.2690

■ 54.6139, 0.3095,
0.2952

■ 65.2178, 0.3120,
0.3203

■ 77.2898, 0.3139,
0.3441

■ 90.8850, 0.3155,
0.3661

■ 93.1185, 0.3181,
0.3682

Harmonies

Analogous

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



21.4205, 0.1793, 0.1423



21.4205, 0.2891, 0.1706



21.4205, 0.4409, 0.2267

Triad

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



21.4205, 0.2891, 0.1706



21.4205, 0.5088, 0.4735



21.4205, 0.1125, 0.2855

Complementary

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



21.4205, 0.2891, 0.1706



53.2969, 0.3178, 0.5248

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.



21.4205, 0.1721, 0.4646



21.4205, 0.2891, 0.1706



21.4205, 0.3981, 0.5719

Square

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



21.4205, 0.2891, 0.1706



21.4205, 0.5785, 0.3791



21.4205, 0.2781, 0.5994



21.4205, 0.0993, 0.1834

Rectangle

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



21.4205, 0.2891, 0.1706



21.4205, 0.5308, 0.2742



21.4205, 0.2781, 0.5994



21.4205, 0.1264, 0.3385

Sweetspot

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



21.4214, 0.2891, 0.1706



71.0715, 0.3079, 0.2806



17.5912, 0.1988, 0.1649



14.4185, 0.3070, 0.2730



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.



21.4214, 0.2891, 0.1706



25.1308, 0.2821, 0.1478



23.5521, 0.3667, 0.2191



13.1346, 0.3106, 0.3057



8.4555, 0.2703, 0.1263



0.5822, 0.2790, 0.1310

Inverse Universe

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



21.4042, 0.4749, 0.2985



25.5489, 0.5290, 0.2987



52.5799, 0.2857, 0.4799



13.0945, 0.3260, 0.3243



9.0523, 0.6057, 0.3111



0.5989, 0.5605, 0.2861

Previews

White Background



This preview shows how the Yxy color 21.4205, 0.2891, 0.1706 looks on a white background.

Color Contrast Check

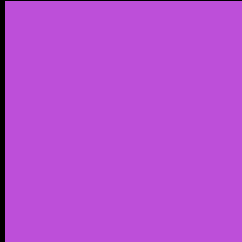
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4205, 0.2891, 0.1706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

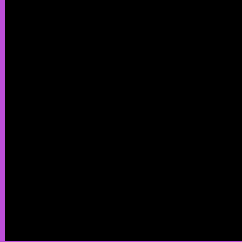
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4205, 0.2891, 0.1706

Background



This preview shows how black text looks on a background with the Yxy color 21.4205, 0.2891, 0.1706.

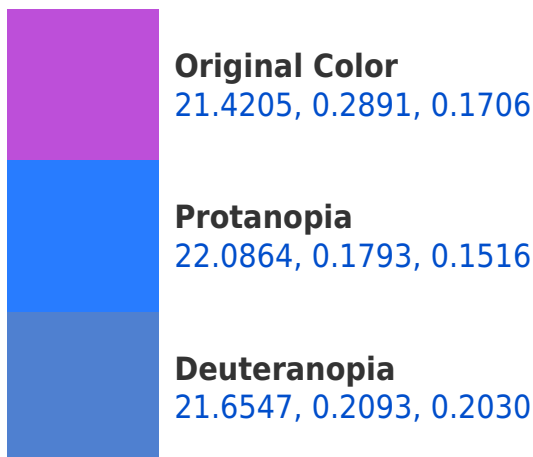


This preview shows how white text looks on a background with the Yxy color 21.4205, 0.2891, 0.1706.

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





Tritanopia

21.3356, 0.3919, 0.3172

Trichromacy



Original Color

21.4205, 0.2891, 0.1706



Protanomaly

19.4557, 0.1975, 0.1486



Deuteranomaly

19.7769, 0.2291, 0.1817



Tritanomaly

20.7386, 0.3517, 0.2520

Monochromacy



Original Color

21.4205, 0.2891, 0.1706



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.1740, 0.3042, 0.2505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4205, 0.2891, 0.1706 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, 79, 217)` looks like.

```
.text, #text, p{  
    color:rgb(189, 79, 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(189, 79, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 79, 217) }
```

Border

The CSS property to change the border of an element to Yxy 21.4205, 0.2891, 0.1706 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, 79, 217) }
```

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

```
.border{ border-color:rgb(189, 79, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 79, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 79, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 79, 217);  
box-shadow:4px 4px 4px 4px rgb(189, 79,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4205, 0.2891, 0.1706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 79, 217) }
```

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

```
.background{ background-color: rgb(189, 79,  
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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