

Converting Colors

$Yxy(12.2344, 0.1892, 0.0949)$

Have a look what the booklet for
Yxy(12.2344, 0.1892, 0.0949)
contains.

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Color

Yxy(12.2495, 0.1890, 0.0950)

Conversions

Conversions Part 1

Format	Color
Hex	6932FB
RGB	105, 50, 251
RGB Percent	41%, 20%, 98%
CMY	0.5884, 0.8037, 0.0158
CMYK	0.58, 0.80, 0.00, 0.02
HSL	256°, 96%, 59%
HSV	256°, 80%, 98%
XYZ	24.3701, 12.2495, 92.3225
YIQ	89.3590, -31.7410, 74.1710

Conversions

Conversions Part 2

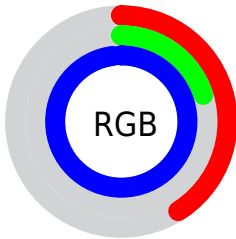
Format	Color
R _Y B	105, 50, 251
Decimal	6894331
CIE Lab	41.61, 69.33, -89.97
CIE LCh	42, 113.582, 307.616
Yxy	12.2495, 0.1890, 0.0950
Android (android.graphics.Color)	4285084411 (0xFF6932FB)
YUV	89.3590, 79.6890, 13.7172
Hunter-Lab	34.9993, 63.0411, -131.8981

Details

The Yxy color **12.2495, 0.1890, 0.0950** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **80.9541, 0.3747, 0.5243**, and the grayscale version is **9.9033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.6667, 0.2432, 0.1577**, and **3.8761, 0.1506, 0.0603** is the 20% darker color. If you saturate the color by 10%, you get **9.6691, 0.1757, 0.0784**, and if you desaturate by 10%, it is **16.2417, 0.2049, 0.1183**.

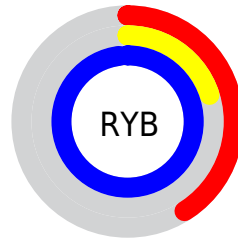
Distribution



Red (41%)

Green (20%)

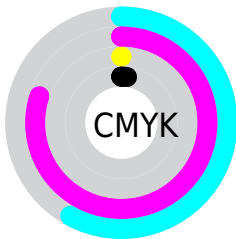
Blue (98%)



Red (41%)

Yellow (20%)

Blue (98%)

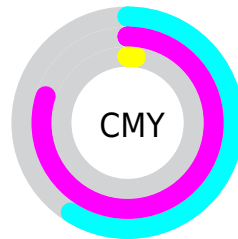


Cyan (58%)

Magenta (80%)

Yellow (0%)

Black (2%)



Cyan (59%)


Magenta (80%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2495, 0.1890, 0.0950 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 12.2495, 0.1890, 0.0950 by changing the saturation by 10% instead.


 12.2495, 0.1890,
0.0950


 12.2495, 0.1890,
0.0950


206.0501, 0.2594,
0.2002


 6.9138, 0.1711,
0.0752


 29.9487, 0.2154,
0.1288


 3.4083, 0.1488,
0.0538


 43.0810, 0.2252,
0.1429


 1.3484, 0.1213,
0.0322

 59.5811, 0.2333,
0.1554

 0.1782, 0.0888,
0.0068

 79.8331, 0.2402,
0.1664

 0.0000, 0.0515,
0.0000

 104.2217, 0.2461,
0.1763

 0.0000, 0.0000,
0.0000

 133.1311, 0.2512,

0.1851

166.9458, 0.2556,
0.1930

■ 12.2495, 0.1890,
0.0950

■ 12.2495, 0.1890,
0.0950

■ 9.6691, 0.1757,
0.0784

■ 16.2417, 0.2049,
0.1183

■ 8.2125, 0.1655,
0.0685

■ 21.8270, 0.2224,
0.1469

■ 29.1594, 0.2403,
0.1787

■ 38.3740, 0.2577,
0.2117

■ 49.5923, 0.2740,
0.2441

62.9257, 0.2886,
0.2749

78.4768, 0.3015,
0.3033

96.3419, 0.3127,
0.3289

99.7432, 0.3150,
0.3328

Harmonies

Analogous

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



12.2495, 0.0892, 0.0787



12.2495, 0.1890, 0.0950



12.2495, 0.3935, 0.1437

Triad

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



12.2495, 0.1890, 0.0950



12.2495, 0.6061, 0.3939



12.2495, 0.0551, 0.3549

Complementary

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



12.2495, 0.1890, 0.0950



80.9541, 0.3747, 0.5243

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.



12.2495, 0.1325, 0.7254



12.2495, 0.1890, 0.0950



12.2495, 0.4407, 0.5593

Square

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



12.2495, 0.1890, 0.0950



12.2495, 0.7033, 0.2927



12.2495, 0.2625, 0.7375



12.2495, 0.0375, 0.1521

Rectangle

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



12.2495, 0.1890, 0.0950



12.2495, 0.5663, 0.1926



12.2495, 0.2625, 0.7375



12.2495, 0.0727, 0.4778

Sweetspot

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



12.2497, 0.1890, 0.0950



59.4926, 0.2830, 0.2630



47.7550, 0.2097, 0.2582



11.6918, 0.2777, 0.2519



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.



12.2497, 0.1890, 0.0950



9.0225, 0.1692, 0.0719



22.1000, 0.2738, 0.1392



16.8724, 0.3022, 0.3048



4.3793, 0.1669, 0.0693



0.4557, 0.1789, 0.0759

Inverse Universe

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



26.7796, 0.3843, 0.2022



25.1175, 0.4023, 0.2003



71.7452, 0.3161, 0.5672



17.4389, 0.3180, 0.3119



12.5909, 0.4048, 0.2004



1.1839, 0.3924, 0.1936

Previews

White Background



This preview shows how the Yxy color 12.2495, 0.1890, 0.0950 looks on a white background.

Color Contrast Check

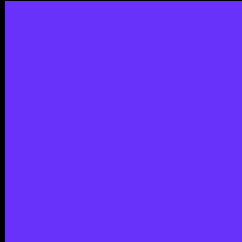
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 12.2495, 0.1890, 0.0950 looks on a black 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

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

Yxy 12.2495, 0.1890, 0.0950

Background



This preview shows how black text looks on a background with the Yxy color 12.2495, 0.1890, 0.0950.



This preview shows how white text looks on a background with the Yxy color 12.2495, 0.1890, 0.0950.

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

12.2495, 0.1890, 0.0950

Protanopia

12.0826, 0.1746, 0.1486

Deuteranopia

11.9789, 0.1862, 0.1904



Tritanopia

12.1514, 0.2393, 0.3090

Trichromacy



Original Color

12.2495, 0.1890, 0.0950



Protanomaly

10.8706, 0.1711, 0.1159



Deuteranomaly

10.5702, 0.1765, 0.1321



Tritanomaly

10.6011, 0.2095, 0.1779

Monochromacy



Original Color

12.2495, 0.1890, 0.0950



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.6032, 0.2448, 0.1869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2495, 0.1890, 0.0950 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(105, 50, 251)` looks like.

```
.text, #text, p{  
    color:rgb(105, 50, 251)  
}
```

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(105, 50, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 50, 251) }
```

Border

The CSS property to change the border of an element to Yxy 12.2495, 0.1890, 0.0950 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(105, 50, 251) }
```

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

```
.border{ border-color:rgb(105, 50, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 50, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 50, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 50, 251);  
box-shadow:4px 4px 4px 4px rgb(105, 50,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2495, 0.1890, 0.0950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 50, 251) }
```

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

```
.background{ background-color: rgb(105, 50,  
251) }
```

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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