

Converting Colors

$Y_{xy}(12.9485, 0.1927, 0.1045)$

Have a look what the booklet for
Yxy(12.9485, 0.1927, 0.1045)
contains.

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Color

Yxy(12.9802, 0.1930, 0.1049)

Conversions

Conversions Part 1

Format	Color
Hex	693EF4
RGB	105, 62, 244
RGB Percent	41%, 24%, 96%
CMY	0.5883, 0.7569, 0.0429
CMYK	0.57, 0.75, 0.00, 0.04
HSL	254°, 89%, 60%
HSV	254°, 75%, 96%
XYZ	23.8816, 12.9802, 86.8770
YIQ	95.6050, -32.7940, 65.7180

Conversions

Conversions Part 2

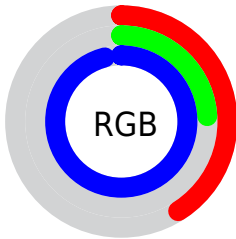
Format	Color
R _Y B	105, 62, 244
Decimal	6897396
CIE Lab	42.73, 62.35, -84.24
CIE LCh	43, 104.799, 306.507
Yxy	12.9802, 0.1930, 0.1049
Android (android.graphics.Color)	4285087476 (0xFF693EF4)
YUV	95.6050, 73.1587, 8.2394
Hunter-Lab	36.0280, 55.2716, -117.7506

Details

The Yxy color **12.9802, 0.1930, 0.1049** 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 **77.5068, 0.3789, 0.5121**, and the grayscale version is **11.4210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6896, 0.2436, 0.1669**, and **3.7172, 0.1534, 0.0624** is the 20% darker color. If you saturate the color by 10%, you get **9.8889, 0.1782, 0.0844**, and if you desaturate by 10%, it is **17.5099, 0.2102, 0.1317**.

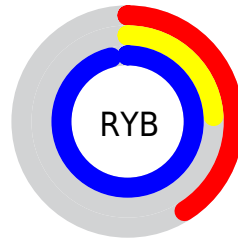
Distribution



Red (41%)

Green (24%)

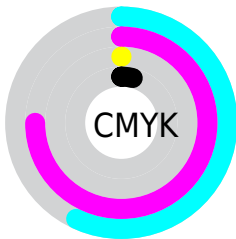
Blue (96%)



Red (41%)

Yellow (24%)

Blue (96%)

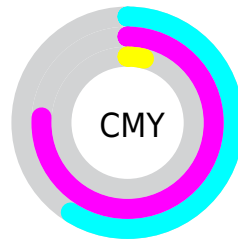


Cyan (57%)

Magenta (75%)

Yellow (0%)

Black (4%)



Cyan (59%)

Magenta (76%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9802, 0.1930, 0.1049 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 12.9802, 0.1930, 0.1049 by changing the saturation by 10% instead.


 12.9802, 0.1930,
0.1049


 12.9802, 0.1930,
0.1049


210.7907, 0.2611,
0.2080

 7.4149, 0.1754,
0.0846


 31.2682, 0.2186,
0.1387


 3.7229, 0.1534,
0.0623


 44.7597, 0.2281,
0.1526

 1.5198, 0.1258,
0.0390

 61.6621, 0.2360,
0.1648

 0.3026, 0.0926,
0.0126

 82.3597, 0.2427,
0.1755

 0.0000, 0.0538,
0.0000

 107.2370, 0.2483,
0.1851

 0.0000, 0.0000,
0.0000

136.6783, 0.2532,

0.1935

171.0681, 0.2574,
0.2011

■ 12.9802, 0.1930,
0.1049

■ 12.9802, 0.1930,
0.1049

■ 9.8889, 0.1782,
0.0844

■ 17.5099, 0.2102,
0.1317

■ 8.0453, 0.1667,
0.0711

■ 23.6333, 0.2285,
0.1627

■ 7.4235, 0.1618,
0.0665

■ 31.4861, 0.2469,
0.1958

■ 41.1892, 0.2645,
0.2291

■ 52.8521, 0.2806,
0.2610

66.5760, 0.2950,
0.2907

82.4549, 0.3075,
0.3176

99.1477, 0.3185,
0.3395

99.3149, 0.3191,
0.3395

Harmonies

Analogous

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



12.9802, 0.0976, 0.0895



12.9802, 0.1930, 0.1049



12.9802, 0.3802, 0.1523

Triad

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



12.9802, 0.1930, 0.1049



12.9802, 0.6005, 0.3995



12.9802, 0.0715, 0.3687

Complementary

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



12.9802, 0.1930, 0.1049



77.5068, 0.3789, 0.5121

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.



12.9802, 0.1567, 0.6908



12.9802, 0.1930, 0.1049



12.9802, 0.4514, 0.5486

Square

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



12.9802, 0.1930, 0.1049



12.9802, 0.6795, 0.3020



12.9802, 0.2893, 0.7107



12.9802, 0.0481, 0.1702

Rectangle

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



12.9802, 0.1930, 0.1049



12.9802, 0.5375, 0.2004



12.9802, 0.2893, 0.7107



12.9802, 0.0920, 0.4790

Sweetspot

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



12.9805, 0.1930, 0.1049



62.0399, 0.2844, 0.2688



49.5984, 0.2161, 0.2724



12.4484, 0.2803, 0.2605



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.



12.9805, 0.1930, 0.1049



9.6291, 0.1713, 0.0760



21.6475, 0.2713, 0.1443



16.1156, 0.3016, 0.3048



4.0861, 0.1631, 0.0672



0.4043, 0.1750, 0.0738

Inverse Universe

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



26.9060, 0.3691, 0.2002



26.1846, 0.3839, 0.1929



68.4308, 0.3209, 0.5526



16.6974, 0.3174, 0.3111



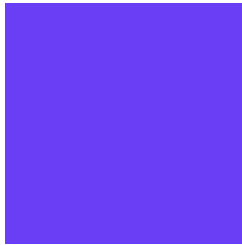
12.4166, 0.3914, 0.1930



1.1071, 0.3807, 0.1871

Previews

White Background



This preview shows how the Yxy color 12.9802, 0.1930, 0.1049 looks on a white background.

Color Contrast Check

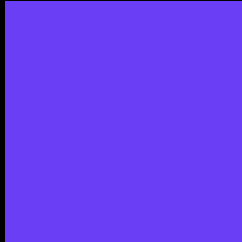
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9802, 0.1930, 0.1049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

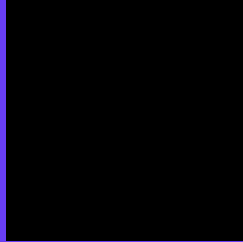
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9802, 0.1930, 0.1049

Background



This preview shows how black text looks on a background with the Yxy color 12.9802, 0.1930, 0.1049.



This preview shows how white text looks on a background with the Yxy color 12.9802, 0.1930, 0.1049.

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

12.9802, 0.1930, 0.1049

Protanopia

12.9090, 0.1746, 0.1485

Deuteranopia

12.7956, 0.1858, 0.1889



Tritanopia

12.8502, 0.2440, 0.3072

Trichromacy



Original Color

12.9802, 0.1930, 0.1049

Protanomaly

11.8672, 0.1727, 0.1223

Deuteranomaly

11.5616, 0.1786, 0.1404

Tritanomaly

11.5824, 0.2162, 0.1900

Monochromacy



Original Color

12.9802, 0.1930, 0.1049

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.1953, 0.2499, 0.2024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9802, 0.1930, 0.1049 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, 62, 244)` looks like.

```
.text, #text, p{  
    color:rgb(105, 62, 244)  
}
```

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, 62, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 62, 244) }
```

Border

The CSS property to change the border of an element to Yxy 12.9802, 0.1930, 0.1049 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, 62, 244) }
```

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

```
.border{ border-color:rgb(105, 62, 244) }
```

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

Here you see how a box with a 4 pixel rgb(105, 62, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 62, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 62, 244);  
box-shadow:4px 4px 4px 4px rgb(105, 62,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9802, 0.1930, 0.1049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 62, 244) }
```

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

```
.background{ background-color: rgb(105, 62,  
244) }
```

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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