

Converting Colors

$Y_{xy}(10.6192, 0.1851, 0.0870)$

Have a look what the booklet for
Yxy(10.6192, 0.1851, 0.0870)
contains.

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Color

Yxy(10.5701, 0.1848, 0.0867)

Conversions

Conversions Part 1	
Format	Color
Hex	6323F7
RGB	99, 35, 247
RGB Percent	39%, 14%, 97%
CMY	0.6117, 0.8626, 0.0315
CMYK	0.60, 0.86, 0.00, 0.03
HSL	258°, 93%, 55%
HSV	258°, 86%, 97%
XYZ	22.5300, 10.5701, 88.8157
YIQ	78.3040, -29.9080, 79.5000

Conversions

Conversions Part 2

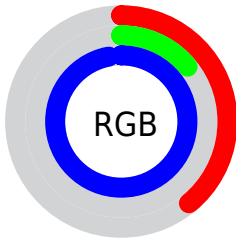
Format	Color
RYB	99, 35, 247
Decimal	6497271
CIELab	38.85, 73.03, -92.31
CIELCh	39, 117.704, 308.351
Yxy	10.5701, 0.1848, 0.0867
Android (android.graphics.Color)	4284687351 (0xFF6323F7)
YUV	78.3040, 83.1671, 18.1504
Hunter-Lab	32.5117, 66.8020, -139.2107

Details

The Yxy color **10.5701, 0.1848, 0.0867** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **76.6848, 0.3702, 0.5349**, and the grayscale version is **7.5275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **23.0480, 0.2378, 0.1462**, and **3.6741, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **8.7208, 0.1730, 0.0741**, and if you desaturate by 10%, it is **13.6469, 0.1994, 0.1062**.

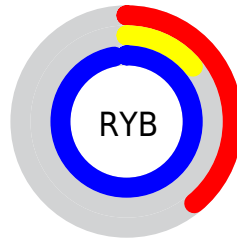
Distribution



Red (39%)

Green (14%)

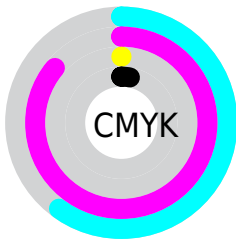
Blue (97%)



Red (39%)

Yellow (14%)

Blue (97%)

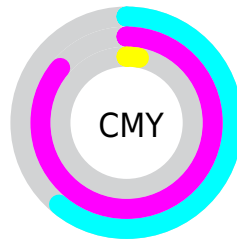


Cyan (60%)

Magenta (86%)

Yellow (0%)

Black (3%)



Cyan (61%)


Magenta (86%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5701, 0.1848, 0.0867 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 10.5701, 0.1848, 0.0867 by changing the saturation by 10% instead.


 10.5701, 0.1848,
0.0867


 10.5701, 0.1848,
0.0867


 194.6939, 0.2586,
0.1952


 5.7786, 0.1659,
0.0667


 26.8624, 0.2125,
0.1212


 2.7109, 0.1426,
0.0457


 39.1320, 0.2228,
0.1358


 0.9827, 0.1139,
0.0252


 54.6630, 0.2314,
0.1487

 0.0000, 0.0806,
0.0000

 73.8399, 0.2386,
0.1602

 0.0000, 0.0420,
0.0000


 97.0470, 0.2448,
0.1704


 0.0000, 0.0000,
0.0000


 124.6688, 0.2500,


0.1796


157.0897, 0.2546,
0.1878


 10.5701, 0.1848,
0.0867


 10.5701, 0.1848,
0.0867


 8.7208, 0.1730,
0.0741


 13.6469, 0.1994,
0.1062


 8.1905, 0.1689,
0.0704

 18.1471, 0.2158,
0.1317


 24.2308, 0.2332,
0.1615

 32.0359, 0.2504,
0.1937

 41.6848, 0.2668,
0.2262

 53.2886, 0.2818,
0.2578

 66.9493, 0.2951,
0.2874

 82.7620, 0.3067,
0.3145

 99.3378, 0.3169,
0.3367

Harmonies

Analogous

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



10.5701, 0.0821, 0.0701



10.5701, 0.1848, 0.0867



10.5701, 0.4043, 0.1359

Triad

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



10.5701, 0.1848, 0.0867



10.5701, 0.6118, 0.3882



10.5701, 0.0426, 0.3429

Complementary

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



10.5701, 0.1848, 0.0867



76.6848, 0.3702, 0.5349

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.



10.5701, 0.1117, 0.7578



10.5701, 0.1848, 0.0867



10.5701, 0.4314, 0.5686

Square

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



10.5701, 0.1848, 0.0867



10.5701, 0.7187, 0.2813



10.5701, 0.2388, 0.7612



10.5701, 0.0296, 0.1374

Rectangle

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



10.5701, 0.1848, 0.0867



10.5701, 0.5910, 0.1851



10.5701, 0.2388, 0.7612



10.5701, 0.0575, 0.4770

Sweetspot

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



10.5703, 0.1848, 0.0867



56.9997, 0.2814, 0.2571



41.0963, 0.2033, 0.2422



11.2247, 0.2764, 0.2463



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.



10.5703, 0.1848, 0.0867



8.7966, 0.1687, 0.0703



20.8361, 0.2774, 0.1362



16.1692, 0.3026, 0.3049



4.3978, 0.1704, 0.0712



0.4379, 0.1835, 0.0784

Inverse Universe

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



24.3897, 0.3995, 0.2052



24.4755, 0.4176, 0.2074



68.2140, 0.3114, 0.5796



16.6781, 0.3184, 0.3126



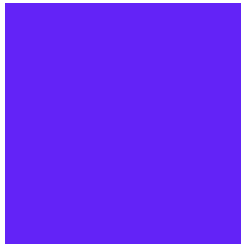
12.0685, 0.4154, 0.2062



1.0789, 0.4006, 0.1981

Previews

White Background



This preview shows how the Yxy color 10.5701, 0.1848, 0.0867 looks on a white background.

Color Contrast Check

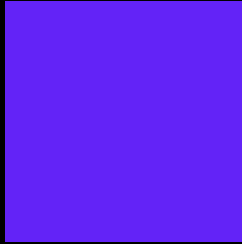
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5701, 0.1848, 0.0867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

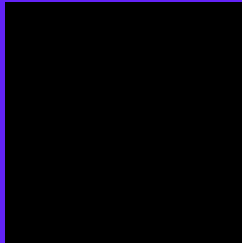
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5701, 0.1848, 0.0867

Background



This preview shows how black text looks on a background with the Yxy color 10.5701, 0.1848, 0.0867.



This preview shows how white text looks on a background with the Yxy color 10.5701, 0.1848, 0.0867.

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

10.5701, 0.1848, 0.0867

Protanopia

10.4822, 0.1749, 0.1497

Deuteranopia

10.4740, 0.1867, 0.1922



Tritanopia

10.5041, 0.2301, 0.3075

Trichromacy



Original Color

10.5701, 0.1848, 0.0867



Protanomaly

9.1854, 0.1693, 0.1092



Deuteranomaly

8.8579, 0.1746, 0.1247



Tritanomaly

8.5128, 0.1981, 0.1610

Monochromacy



Original Color

10.5701, 0.1848, 0.0867



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

7.2878, 0.2388, 0.1703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5701, 0.1848, 0.0867 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(99, 35, 247) looks like.

```
.text, #text, p{  
    color:rgb(99, 35, 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(99, 35, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 35, 247) }
```

Border

The CSS property to change the border of an element to Yxy 10.5701, 0.1848, 0.0867 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(99, 35, 247) }
```

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

```
.border{ border-color:rgb(99, 35, 247) }
```

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

Here you see how a box with a 4 pixel rgb(99, 35, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 35, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 35, 247);  
box-shadow:4px 4px 4px 4px rgb(99, 35,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5701, 0.1848, 0.0867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 35, 247) }
```

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

```
.background{ background-color: rgb(99, 35,  
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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