

Converting Colors

$Y_{xy}(17.0739, 0.1910, 0.1216)$

Have a look what the booklet for
Yxy(17.0739, 0.1910, 0.1216)
contains.

Yxy(17.0174, 0.1908, 0.1213)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.0174, 0.1908, 0.1213)

Conversions

Conversions Part 1

Format	Color
Hex	6359FF
RGB	99, 89, 255
RGB Percent	39%, 35%, 100%
CMY	0.6119, 0.6510, 0.0000
CMYK	0.61, 0.65, 0.00, 0.00
HSL	244°, 100%, 67%
HSV	244°, 65%, 100%
XYZ	26.7677, 17.0174, 96.5068
YIQ	110.9140, -47.3260, 53.7460

Conversions

Conversions Part 2

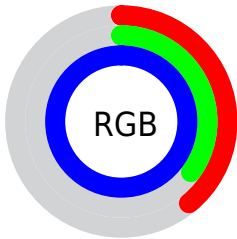
Format	Color
R _Y B	99, 89, 255
Decimal	6511103
CIE Lab	48.28, 50.66, -81.28
CIE LCh	48, 95.780, 301.933
Yxy	17.0174, 0.1908, 0.1213
Android (android.graphics.Color)	4284701183 (0xFF6359FF)
YUV	110.9140, 71.0344, -10.4486
Hunter-Lab	41.2522, 43.6338, -109.8286

Details

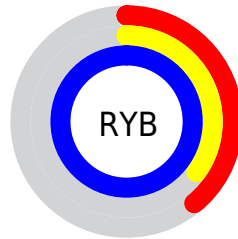
The Yxy color **17.0174, 0.1908, 0.1213** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle muted purple. A complement of this color would be **91.6624, 0.3958, 0.4822**, and the grayscale version is **15.6683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8687, 0.2435, 0.1930**, and **5.6171, 0.1557, 0.0804** is the 20% darker color. If you saturate the color by 10%, you get **12.3265, 0.1739, 0.0942**, and if you desaturate by 10%, it is **23.5746, 0.2106, 0.1538**.

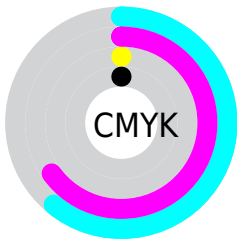
Distribution



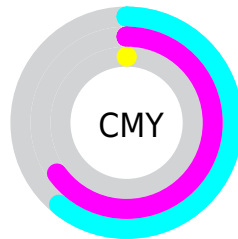
- Red (39%)
- Green (35%)
- Blue (100%)



- Red (39%)
- Yellow (35%)
- Blue (100%)



- Cyan (61%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0174, 0.1908, 0.1213 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 17.0174, 0.1908, 0.1213 by changing the saturation by 10% instead.


 17.0174, 0.1908,
0.1213

 17.0174, 0.1908,
0.1213

235.2726, 0.2571,
0.2170


 10.2469, 0.1744,
0.1019


 38.3557, 0.2152,
0.1530

 5.5630, 0.1540,
0.0799


 53.6923, 0.2243,
0.1659

 2.5812, 0.1286,
0.0559


 72.6530, 0.2320,
0.1772

 0.9172, 0.0976,
0.0314

 95.6223, 0.2386,
0.1871

 0.0000, 0.0623,
0.0000

 122.9845, 0.2442,
0.1959

 0.0000, 0.0004,
0.0000

155.1240, 0.2491,

 0.0000, 0.0000,

0.2038

0.0000

192.4253, 0.2534,
0.2107

■ 17.0174, 0.1908,
0.1213

■ 17.0174, 0.1908,
0.1213

■ 12.3265, 0.1739,
0.0942

■ 23.5746, 0.2106,
0.1538

■ 9.3108, 0.1612,
0.0746

■ 32.1714, 0.2315,
0.1889

■ 7.7290, 0.1534,
0.0636

■ 42.9563, 0.2523,
0.2241

■ 7.3240, 0.1513,
0.0607

■ 56.0649, 0.2719,
0.2577

■ 71.6221, 0.2897,
0.2886

89.7436, 0.3055,
0.3162

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



17.0174, 0.1090, 0.1107



17.0174, 0.1908, 0.1213



17.0174, 0.3439, 0.1628

Triad

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



17.0174, 0.1908, 0.1213



17.0174, 0.5990, 0.4010



17.0174, 0.1086, 0.4076

Complementary

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



17.0174, 0.1908, 0.1213



91.6624, 0.3958, 0.4822

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.



17.0174, 0.2063, 0.6466



17.0174, 0.1908, 0.1213



17.0174, 0.4785, 0.5215

Square

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



17.0174, 0.1908, 0.1213



17.0174, 0.6365, 0.3095



17.0174, 0.3397, 0.6550



17.0174, 0.0713, 0.2126

Rectangle

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



17.0174, 0.1908, 0.1213



17.0174, 0.4755, 0.2069



17.0174, 0.3397, 0.6550



17.0174, 0.1346, 0.4977

Sweetspot

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



17.0159, 0.1908, 0.1213



63.6795, 0.2812, 0.2739



75.6824, 0.2332, 0.3189



12.7140, 0.2761, 0.2651



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.



17.0159, 0.1908, 0.1213



11.2879, 0.1697, 0.0877



24.1052, 0.2505, 0.1490



17.4297, 0.2988, 0.3045



3.8470, 0.1518, 0.0610



0.3920, 0.1559, 0.0633

Inverse Universe

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



35.0011, 0.3291, 0.1879



30.5736, 0.3323, 0.1727



80.1023, 0.3406, 0.5166



18.2805, 0.3147, 0.3070



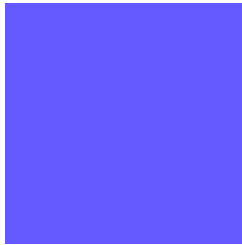
14.3953, 0.3366, 0.1628



1.4071, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 17.0174, 0.1908, 0.1213 looks on a white background.

Color Contrast Check

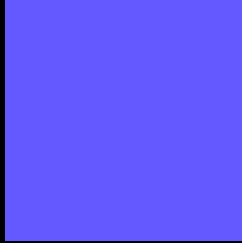
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0174, 0.1908, 0.1213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

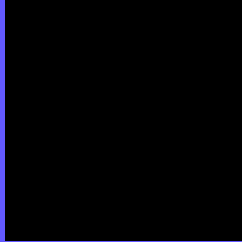
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0174, 0.1908, 0.1213

Background



This preview shows how black text looks on a background with the Yxy color 17.0174, 0.1908, 0.1213.



This preview shows how white text looks on a background with the Yxy color 17.0174, 0.1908, 0.1213.

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

17.0174, 0.1908, 0.1213

Protanopia

16.9781, 0.1741, 0.1468

Deuteranopia

16.8927, 0.1851, 0.1863



Tritanopia

16.8286, 0.2280, 0.3068

Trichromacy



Original Color

17.0174, 0.1908, 0.1213

Protanomaly

16.1691, 0.1741, 0.1327

Deuteranomaly

16.0578, 0.1804, 0.1533

Tritanomaly

15.8037, 0.2066, 0.2067

Monochromacy



Original Color

17.0174, 0.1908, 0.1213

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.4706, 0.2514, 0.2219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0174, 0.1908, 0.1213 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, 89, 255) looks like.

```
.text, #text, p{  
    color:rgb(99, 89, 255)  
}
```

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, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 89, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.0174, 0.1908, 0.1213 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, 89, 255) }
```

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

```
.border{ border-color:rgb(99, 89, 255) }
```

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

Here you see how a box with a 4 pixel rgb(99, 89, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 89, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 89, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 89,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0174, 0.1908, 0.1213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 89, 255) }
```

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

```
.background{ background-color: rgb(99, 89,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor