

Converting Colors

$Y_{xy}(10.0881, 0.1810, 0.0790)$

Have a look what the booklet for
Yxy(10.0881, 0.1810, 0.0790)
contains.

Yxy(10.0665, 0.1808, 0.0789)	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(10.0665, 0.1808, 0.0789)

Conversions

Conversions Part 1

Format	Color
Hex	620EFE
RGB	98, 14, 254
RGB Percent	38%, 5%, 100%
CMY	0.6161, 0.9437, 0.0041
CMYK	0.61, 0.94, 0.00, 0.00
HSL	261°, 99%, 53%
HSV	261°, 94%, 100%
XYZ	23.0675, 10.0665, 94.4516
YIQ	66.4760, -26.9760, 92.4480

Conversions

Conversions Part 2

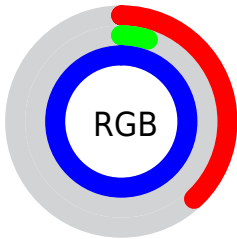
Format	Color
RYB	98, 14, 254
Decimal	6426366
CIELab	37.96, 79.29, -97.70
CIELCh	38, 125.829, 309.060
Yxy	10.0665, 0.1808, 0.0789
Android (android.graphics.Color)	4284616446 (0xFF620EFE)
YUV	66.4760, 92.4493, 27.6465
Hunter-Lab	31.7277, 74.2538, -154.2933

Details

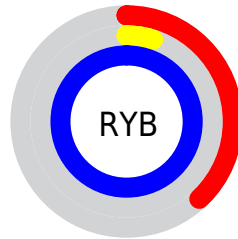
The Yxy color **10.0665, 0.1808, 0.0789** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark saturated purple. A complement of this color would be **79.4772, 0.3606, 0.5494**, and the grayscale version is **5.4101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **21.5135, 0.2376, 0.1386**, and **3.9855, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **9.2538, 0.1749, 0.0737**, and if you desaturate by 10%, it is **12.2593, 0.1932, 0.0924**.

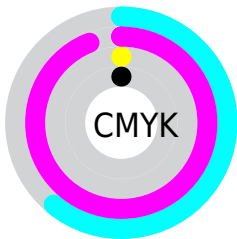
Distribution



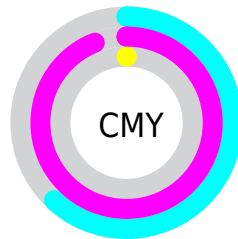
- Red (38%)
- Green (5%)
- Blue (100%)



- Red (38%)
- Yellow (5%)
- Blue (100%)



- Cyan (61%)
- Magenta (94%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (94%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0665, 0.1808, 0.0789 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 10.0665, 0.1808, 0.0789 by changing the saturation by 10% instead.


 10.0665, 0.1808,
0.0789


 10.0665, 0.1808,
0.0789


191.1460, 0.2567,
0.1883


 5.4431, 0.1617,
0.0596


 25.9205, 0.2091,
0.1130


 2.5095, 0.1383,
0.0397


 37.9199, 0.2197,
0.1276


 0.8814, 0.1100,
0.0209

 53.1467, 0.2285,
0.1406

 0.0000, 0.0774,
0.0000

 71.9853, 0.2360,
0.1523

 0.0000, 0.0412,
0.0000

 94.8202, 0.2424,
0.1628

 0.0000, 0.0000,
0.0000

 122.0356, 0.2478,

0.1722

154.0161, 0.2526,
0.1806

■ 10.0665, 0.1808,
0.0789

■ 10.0665, 0.1808,
0.0789

■ 9.2538, 0.1749,
0.0737

■ 12.2593, 0.1932,
0.0924

■ 15.7722, 0.2079,
0.1125

■ 20.8059, 0.2240,
0.1383

■ 27.5253, 0.2406,
0.1679

■ 36.0730, 0.2568,
0.1996

■ 46.5760, 0.2720,
0.2316

■ 59.1498, 0.2858,
0.2625

■ 73.9006, 0.2980,
0.2916

■ 90.9272, 0.3086,
0.3182

Harmonies

Analogous

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



10.0665, 0.0755, 0.0622



10.0665, 0.1808, 0.0789



10.0665, 0.4158, 0.1283

Triad

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



10.0665, 0.1808, 0.0789



10.0665, 0.6176, 0.3824



10.0665, 0.0316, 0.3290

Complementary

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



10.0665, 0.1808, 0.0789



79.4772, 0.3606, 0.5494

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.



10.0665, 0.0910, 0.7904



10.0665, 0.1808, 0.0789



10.0665, 0.4212, 0.5788

Square

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



10.0665, 0.1808, 0.0789



10.0665, 0.7313, 0.2687



10.0665, 0.2139, 0.7861



10.0665, 0.0229, 0.1234

Rectangle

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



10.0665, 0.1808, 0.0789



10.0665, 0.6165, 0.1773



10.0665, 0.2139, 0.7861



10.0665, 0.0436, 0.4740

Sweetspot

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



10.0666, 0.1808, 0.0789



54.8167, 0.2810, 0.2514



37.5533, 0.1954, 0.2209



10.5769, 0.2749, 0.2380



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.



10.0666, 0.1808, 0.0789



9.3393, 0.1748, 0.0737



21.7749, 0.2807, 0.1335



17.6857, 0.3033, 0.3048



4.9546, 0.1764, 0.0746



0.5405, 0.1887, 0.0813

Inverse Universe

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



24.3030, 0.4276, 0.2151



24.0166, 0.4361, 0.2176



71.6772, 0.3061, 0.5922



18.1865, 0.3192, 0.3136



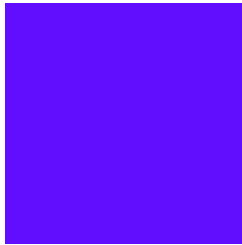
12.5785, 0.4337, 0.2163



1.2454, 0.4174, 0.2073

Previews

White Background



This preview shows how the Yxy color 10.0665, 0.1808, 0.0789 looks on a white background.

Color Contrast Check

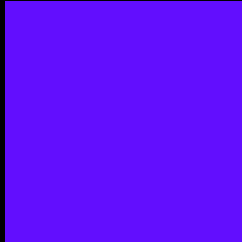
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0665, 0.1808, 0.0789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

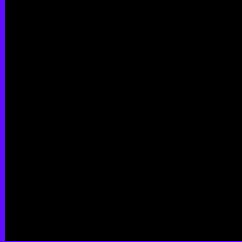
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0665, 0.1808, 0.0789

Background



This preview shows how black text looks on a background with the Yxy color 10.0665, 0.1808, 0.0789.



This preview shows how white text looks on a background with the Yxy color 10.0665, 0.1808, 0.0789.

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

10.0665, 0.1808, 0.0789

Protanopia

9.9918, 0.1750, 0.1498

Deuteranopia

9.9874, 0.1871, 0.1934



Tritanopia

9.9852, 0.2185, 0.3066

Trichromacy



Original Color

10.0665, 0.1808, 0.0789

Protanomaly

8.1609, 0.1666, 0.0990

Deuteranomaly

7.7596, 0.1713, 0.1121

Tritanomaly

7.0474, 0.1816, 0.1400

Monochromacy



Original Color

10.0665, 0.1808, 0.0789

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

5.4829, 0.2281, 0.1459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0665, 0.1808, 0.0789 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(98, 14, 254)` looks like.

```
.text, #text, p{  
  color:rgb(98, 14, 254)  
}
```

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(98, 14, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 14, 254) }
```

Border

The CSS property to change the border of an element to Yxy 10.0665, 0.1808, 0.0789 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(98, 14, 254) }
```

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

```
.border{ border-color:rgb(98, 14, 254) }
```

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

Here you see how a box with a 4 pixel rgb(98, 14, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 14, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 14, 254);  
box-shadow:4px 4px 4px 4px rgb(98, 14,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0665, 0.1808, 0.0789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 14, 254) }
```

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

```
.background{ background-color: rgb(98, 14,  
254) }
```

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