

Converting Colors

$Yxy(28.0548, 0.2094, 0.1884)$

Have a look what the booklet for
Yxy(28.0548, 0.2094, 0.1884)
contains.

Yxy(28.1126, 0.2098, 0.1891)	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(28.1126, 0.2098, 0.1891)

Conversions

Conversions Part 1

Format	Color
Hex	668CF4
RGB	102, 140, 244
RGB Percent	40%, 55%, 96%
CMY	0.5998, 0.4510, 0.0432
CMYK	0.58, 0.43, 0.00, 0.04
HSL	224°, 87%, 68%
HSV	224°, 58%, 96%
XYZ	31.1900, 28.1126, 89.3627
YIQ	140.4940, -56.0320, 24.2880

Conversions

Conversions Part 2

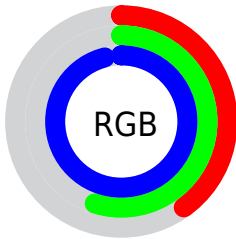
Format	Color
R _Y B	102, 132, 244
Decimal	6720756
CIE Lab	59.99, 17.33, -56.24
CIE LCh	60, 58.845, 287.129
Yxy	28.1126, 0.2098, 0.1891
Android (android.graphics.Color)	4284910836 (0xFF668CF4)
YUV	140.4940, 51.0285, -33.7592
Hunter-Lab	53.0213, 12.2159, -62.8131

Details

The Yxy color **28.1126, 0.2098, 0.1891** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.3626, 0.4178, 0.4352**, and the grayscale version is **26.2467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0413, 0.2511, 0.2560**, and **11.3169, 0.1807, 0.1550** is the 20% darker color. If you saturate the color by 10%, you get **22.0838, 0.1929, 0.1613**, and if you desaturate by 10%, it is **35.4115, 0.2281, 0.2172**.

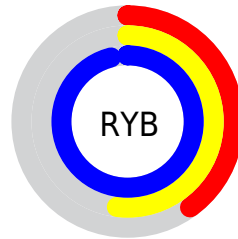
Distribution



Red (40%)

Green (55%)

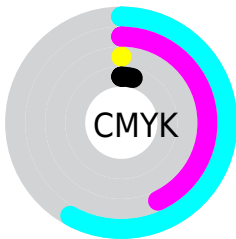
Blue (96%)



Red (40%)

Yellow (52%)

Blue (96%)

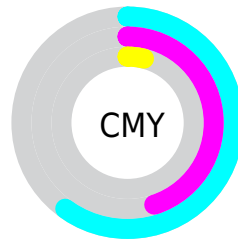


Cyan (58%)

Magenta (43%)

Yellow (0%)

Black (4%)



Cyan (60%)


Magenta (45%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1126, 0.2098, 0.1891 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 28.1126, 0.2098, 0.1891 by changing the saturation by 10% instead.


 28.1126, 0.2098,
0.1891


 28.1126, 0.2098,
0.1891


293.0046, 0.2628,
0.2573


 18.4106, 0.1968,
0.1734


 56.6642, 0.2290,
0.2131

 11.2451, 0.1804,
0.1542


 76.2825, 0.2363,
0.2223

 6.2320, 0.1596,
0.1306


 99.9750, 0.2424,
0.2303

 2.9866, 0.1326,
0.1015

128.1261, 0.2477,
0.2372

 1.1248, 0.0979,
0.0669

161.1202, 0.2522,
0.2432

 0.0000, 0.0500,
0.0000

199.3418, 0.2562,

 0.0000, 0.0000,

0.2484

0.0000

243.1751, 0.2597,
0.2531

■ 28.1126, 0.2098,
0.1891

■ 28.1126, 0.2098,
0.1891

■ 22.0838, 0.1929,
0.1613

■ 35.4115, 0.2281,
0.2172

■ 17.2435, 0.1784,
0.1350

■ 44.0493, 0.2470,
0.2443

■ 13.5033, 0.1671,
0.1118

■ 54.0928, 0.2656,
0.2697


■ 10.7525, 0.1594,
0.0928

■ 65.6033, 0.2834,
0.2929

■ 10.3359, 0.1583,
0.0897

■ 78.6384, 0.3001,
0.3137

 93.2524, 0.3154,
0.3322

 99.3111, 0.3191,
0.3396

Harmonies

Analogous

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



28.1126, 0.1656, 0.1969



28.1126, 0.2098, 0.1891



28.1126, 0.2869, 0.2083

Triad

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



28.1126, 0.2098, 0.1891



28.1126, 0.5027, 0.3742



28.1126, 0.2292, 0.4297

Complementary

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



28.1126, 0.2098, 0.1891



64.3626, 0.4178, 0.4352

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.



28.1126, 0.3132, 0.5033



28.1126, 0.2098, 0.1891



28.1126, 0.4726, 0.4420

Square

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



28.1126, 0.2098, 0.1891



28.1126, 0.4718, 0.3086



28.1126, 0.4017, 0.4975



28.1126, 0.1731, 0.3204

Rectangle

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



28.1126, 0.2098, 0.1891



28.1126, 0.3525, 0.2342



28.1126, 0.4017, 0.4975



28.1126, 0.2551, 0.4620

Sweetspot

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



28.1135, 0.2098, 0.1891



74.0666, 0.2853, 0.2954



71.8733, 0.2579, 0.3805



15.2681, 0.2819, 0.2909



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.



28.1135, 0.2098, 0.1891



23.2442, 0.1898, 0.1558



21.0169, 0.2199, 0.1504



16.6471, 0.2979, 0.3111



5.8115, 0.1590, 0.0923



0.6732, 0.1656, 0.1160

Inverse Universe

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



30.6393, 0.4428, 0.2899



27.9585, 0.4873, 0.2868



79.8385, 0.3732, 0.4786



16.5552, 0.3251, 0.3227



10.6860, 0.5876, 0.3011



0.9556, 0.5523, 0.2816

Previews

White Background



This preview shows how the Yxy color 28.1126, 0.2098, 0.1891 looks on a white background.

Color Contrast Check

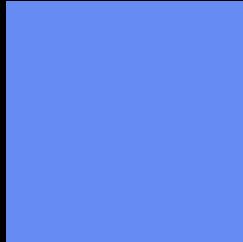
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 28.1126, 0.2098, 0.1891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

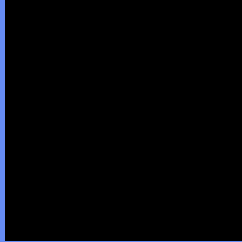
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1126, 0.2098, 0.1891

Background



This preview shows how black text looks on a background with the Yxy color 28.1126, 0.2098, 0.1891.



This preview shows how white text looks on a background with the Yxy color 28.1126, 0.2098, 0.1891.

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

28.1126, 0.2098, 0.1891

Protanopia

27.9405, 0.2083, 0.1886

Deuteranopia

28.1777, 0.1995, 0.1930



Tritanopia

27.9811, 0.2368, 0.3061

Trichromacy



Original Color

28.1126, 0.2098, 0.1891

Protanomaly

27.9971, 0.2088, 0.1888

Deuteranomaly

28.0008, 0.2027, 0.1914

Tritanomaly

27.5921, 0.2250, 0.2550

Monochromacy



Original Color

28.1126, 0.2098, 0.1891

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.7761, 0.2658, 0.2705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1126, 0.2098, 0.1891 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(102, 140, 244)` looks like.

```
.text, #text, p{  
    color:rgb(102, 140, 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(102, 140, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 140, 244) }
```

Border

The CSS property to change the border of an element to Yxy 28.1126, 0.2098, 0.1891 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(102, 140, 244) }
```

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

```
.border{ border-color:rgb(102, 140, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 140, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 140, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 140, 244);  
box-shadow:4px 4px 4px 4px rgb(102, 140,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1126, 0.2098, 0.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 140, 244) }
```

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

```
.background{ background-color: rgb(102,  
140, 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](#).

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