

Converting Colors

$Y_{xy}(28.3050, 0.2004, 0.1896)$

Have a look what the booklet for
Yxy(28.3050, 0.2004, 0.1896)
contains.

Yxy(28.3058, 0.2004, 0.1896)	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(28.3058, 0.2004, 0.1896)

Conversions

Conversions Part 1

Format	Color
Hex	5090F6
RGB	80, 144, 246
RGB Percent	31%, 56%, 96%
CMY	0.6860, 0.4353, 0.0353
CMYK	0.67, 0.41, 0.00, 0.04
HSL	217°, 90%, 64%
HSV	217°, 67%, 96%
XYZ	29.9182, 28.3058, 91.0682
YIQ	136.4920, -70.8860, 18.1540

Conversions

Conversions Part 2

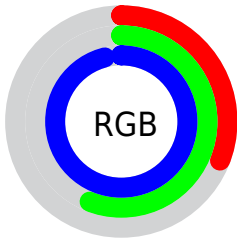
Format	Color
R _Y B	80, 126, 246
Decimal	5279990
CIE Lab	60.16, 11.83, -57.12
CIE LCh	60, 58.332, 281.701
Yxy	28.3058, 0.2004, 0.1896
Android (android.graphics.Color)	4283470070 (0xFF5090F6)
YUV	136.4920, 53.9874, -49.5435
Hunter-Lab	53.2032, 7.2717, -64.2448

Details

The Yxy color **28.3058, 0.2004, 0.1896** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **53.6507, 0.4501, 0.4298**, and the grayscale version is **24.6339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1722, 0.2423, 0.2592**, and **11.6795, 0.1769, 0.1566** is the 20% darker color. If you saturate the color by 10%, you get **23.1462, 0.1869, 0.1659**, and if you desaturate by 10%, it is **34.4725, 0.2160, 0.2137**.

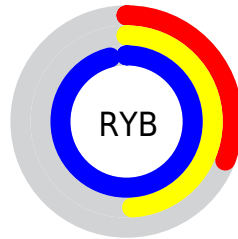
Distribution



Red (31%)

Green (56%)

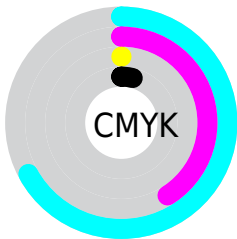
Blue (96%)



Red (31%)

Yellow (49%)

Blue (96%)

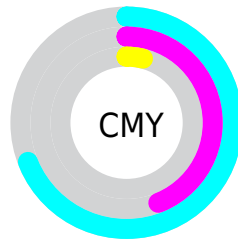


Cyan (67%)

Magenta (41%)

Yellow (0%)

Black (4%)



Cyan (69%)


Magenta (44%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3058, 0.2004, 0.1896 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 28.3058, 0.2004, 0.1896 by changing the saturation by 10% instead.


 28.3058, 0.2004,
0.1896


 28.3058, 0.2004,
0.1896


293.9253, 0.2575,
0.2579


 18.5563, 0.1866,
0.1738


 56.9723, 0.2210,
0.2136

 11.3501, 0.1694,
0.1545


 76.6581, 0.2288,
0.2229

 6.3028, 0.1478,
0.1308


 100.4248, 0.2354,
0.2309

 3.0301, 0.1203,
0.1016

 128.6567, 0.2411,
0.2378

 1.1475, 0.0857,
0.0669

161.7384, 0.2460,
0.2438

 0.0182, 0.0353,
0.0021

200.0541, 0.2503,

 0.0000, 0.0000,

0.2491

0.0000

243.9882, 0.2541,
0.2538

■ 28.3058, 0.2004,
0.1896

■ 28.3058, 0.2004,
0.1896

■ 23.1462, 0.1869,
0.1659

■ 34.4725, 0.2160,
0.2137

■ 18.9217, 0.1760,
0.1437

■ 41.7047, 0.2328,
0.2374

■ 15.5481, 0.1681,
0.1236

■ 50.0590, 0.2503,
0.2600

■ 14.7987, 0.1664,
0.1189

■ 59.5864, 0.2678,
0.2810

■ 70.3346, 0.2849,
0.3001

■ 82.3481, 0.3012,
0.3174

■ 95.6694, 0.3165,
0.3327

■ 99.4333, 0.3179,
0.3376

Harmonies

Analogous

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



28.3058, 0.1623, 0.2029



28.3058, 0.2004, 0.1896



28.3058, 0.2712, 0.2041

Triad

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



28.3058, 0.2004, 0.1896



28.3058, 0.5001, 0.3621



28.3058, 0.2438, 0.4465

Complementary

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



28.3058, 0.2004, 0.1896



53.6507, 0.4501, 0.4298

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.



28.3058, 0.3297, 0.5059



28.3058, 0.2004, 0.1896



28.3058, 0.4803, 0.4293

Square

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



28.3058, 0.2004, 0.1896



28.3058, 0.4580, 0.2978



28.3058, 0.4158, 0.4883



28.3058, 0.1818, 0.3394

Rectangle

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



28.3058, 0.2004, 0.1896



28.3058, 0.3340, 0.2272



28.3058, 0.4158, 0.4883



28.3058, 0.2709, 0.4748

Sweetspot

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



28.3067, 0.2004, 0.1896



73.1812, 0.2806, 0.2954



70.8945, 0.2621, 0.4178



14.9526, 0.2758, 0.2900



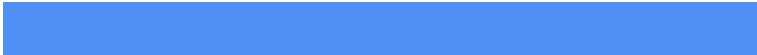
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.3067, 0.2004, 0.1896



23.3071, 0.1825, 0.1575



14.9220, 0.1905, 0.1165



16.9736, 0.2980, 0.3140



8.1509, 0.1672, 0.1219



0.9091, 0.1741, 0.1467

Inverse Universe

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



27.3511, 0.4479, 0.2668



24.9704, 0.4916, 0.2656



83.2103, 0.3928, 0.4889



16.5882, 0.3233, 0.3199



10.9222, 0.5439, 0.2770



0.9794, 0.5102, 0.2584

Previews

White Background



This preview shows how the Yxy color 28.3058, 0.2004, 0.1896 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 28.3058, 0.2004, 0.1896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

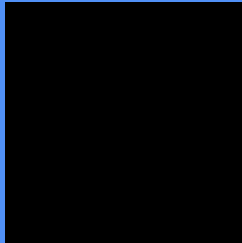
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

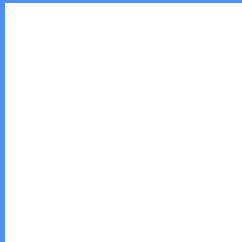
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.3058, 0.2004, 0.1896

Background



This preview shows how black text looks on a background with the Yxy color 28.3058, 0.2004, 0.1896.



This preview shows how white text looks on a background with the Yxy color 28.3058, 0.2004, 0.1896.

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

28.3058, 0.2004, 0.1896

Protanopia

28.2875, 0.2100, 0.1912

Deuteranopia

28.5137, 0.1975, 0.1912



Tritanopia

28.3529, 0.2209, 0.3056

Trichromacy



Original Color

28.3058, 0.2004, 0.1896

Protanomaly

28.2048, 0.2060, 0.1904

Deuteranomaly

28.3605, 0.1985, 0.1903

Tritanomaly

27.8168, 0.2100, 0.2537

Monochromacy



Original Color

28.3058, 0.2004, 0.1896

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.6435, 0.2570, 0.2688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3058, 0.2004, 0.1896 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(80, 144, 246)` looks like.

```
.text, #text, p{  
    color:rgb(80, 144, 246)  
}
```

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(80, 144, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 144, 246) }
```

Border

The CSS property to change the border of an element to Yxy 28.3058, 0.2004, 0.1896 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(80, 144, 246) }
```

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

```
.border{ border-color:rgb(80, 144, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 144, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 144, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 144, 246);  
box-shadow:4px 4px 4px 4px rgb(80, 144,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3058, 0.2004, 0.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 144, 246) }
```

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

```
.background{ background-color: rgb(80, 144,  
246) }
```

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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