

Converting Colors

$Y_{xy}(28.8699, 0.2056, 0.1802)$

Have a look what the booklet for
Yxy(28.8699, 0.2056, 0.1802)
contains.

Yxy(28.8009, 0.2055, 0.1798)	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(28.8009, 0.2055, 0.1798)

Conversions

Conversions Part 1

Format	Color
Hex	668CFF
RGB	102, 140, 255
RGB Percent	40%, 55%, 100%
CMY	0.5997, 0.4511, 0.0000
CMYK	0.60, 0.45, 0.00, 0.00
HSL	225°, 100%, 70%
HSV	225°, 60%, 100%
XYZ	32.9176, 28.8009, 98.4645
YIQ	141.7480, -59.5630, 27.7090

Conversions

Conversions Part 2

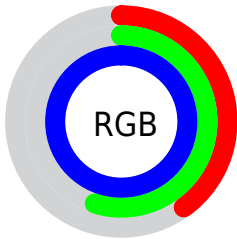
Format	Color
RYB	102, 132, 255
Decimal	6720767
CIELab	60.61, 20.93, -61.33
CIElCh	61, 64.802, 288.846
Yxy	28.8009, 0.2055, 0.1798
Android (android.graphics.Color)	4284910847 (0xFF668CFF)
YUV	141.7480, 55.8332, -34.8590
Hunter-Lab	53.6665, 15.5709, -71.2157

Details

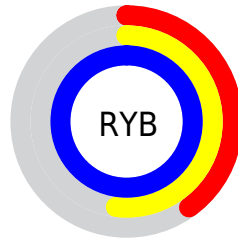
The Yxy color **28.8009, 0.2055, 0.1798** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.8917, 0.4195, 0.4404**, and the grayscale version is **26.7425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2524, 0.2523, 0.2563**, and **11.6621, 0.1761, 0.1456** is the 20% darker color. If you saturate the color by 10%, you get **22.4066, 0.1887, 0.1516**, and if you desaturate by 10%, it is **36.6268, 0.2239, 0.2086**.

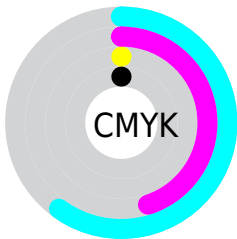
Distribution



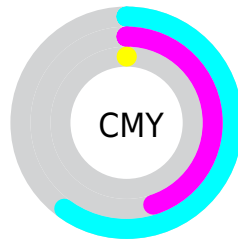
- Red (40%)
- Green (55%)
- Blue (100%)



- Red (40%)
- Yellow (52%)
- Blue (100%)



- Cyan (60%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8009, 0.2055, 0.1798 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 28.8009, 0.2055, 0.1798 by changing the saturation by 10% instead.


 28.8009, 0.2055,
0.1798


 28.8009, 0.2055,
0.1798


296.2744, 0.2602,
0.2511

 18.9303, 0.1923,
0.1638


 57.7606, 0.2252,
0.2045

 11.6199, 0.1759,
0.1445


 77.6185, 0.2327,
0.2142

 6.4854, 0.1551,
0.1212


 101.5742, 0.2390,
0.2225

 3.1424, 0.1288,
0.0932

130.0121, 0.2445,
0.2297

 1.2065, 0.0954,
0.0607

163.3167, 0.2492,
0.2361

 0.0670, 0.0545,
0.0064

201.8724, 0.2533,

 0.0000, 0.0000,

0.2417

0.0000

246.0635, 0.2570,
0.2467

■ 28.8009, 0.2055,
0.1798

■ 28.8009, 0.2055,
0.1798

■ 22.4066, 0.1887,
0.1516

■ 36.6268, 0.2239,
0.2086

■ 17.3545, 0.1747,
0.1256

■ 45.9743, 0.2430,
0.2368

■ 13.5359, 0.1641,
0.1032

■ 56.9196, 0.2620,
0.2633

■ 10.8051, 0.1571,
0.0856

■ 69.5354, 0.2801,
0.2877

■ 10.7989, 0.1571,
0.0855

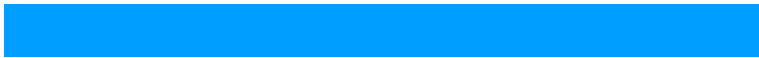
■ 83.8895, 0.2971,
0.3096

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.



28.8009, 0.1571, 0.1857



28.8009, 0.2055, 0.1798



28.8009, 0.2899, 0.2017

Triad

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



28.8009, 0.2055, 0.1798



28.8009, 0.5180, 0.3786



28.8009, 0.2168, 0.4333

Complementary

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



28.8009, 0.2055, 0.1798



71.8917, 0.4195, 0.4404

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.



28.8009, 0.3054, 0.5191



28.8009, 0.2055, 0.1798



28.8009, 0.4799, 0.4515

Square

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



28.8009, 0.2055, 0.1798



28.8009, 0.4901, 0.3093



28.8009, 0.4008, 0.5133



28.8009, 0.1601, 0.3119

Rectangle

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



28.8009, 0.2055, 0.1798



28.8009, 0.3618, 0.2299



28.8009, 0.4008, 0.5133



28.8009, 0.2439, 0.4706

Sweetspot

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



28.7993, 0.2055, 0.1798



72.2280, 0.2836, 0.2922



79.3464, 0.2546, 0.3759



14.6149, 0.2785, 0.2855



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.



28.7993, 0.2055, 0.1798



21.2775, 0.1856, 0.1461



22.3379, 0.2199, 0.1458



18.1091, 0.2979, 0.3106



5.8387, 0.1578, 0.0880



0.7321, 0.1636, 0.1088

Inverse Universe

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



32.6691, 0.4536, 0.2921



27.0999, 0.5003, 0.2902



87.1967, 0.3710, 0.4849



18.0609, 0.3255, 0.3231



11.3174, 0.5942, 0.3047



1.1185, 0.5628, 0.2874

Previews

White Background



This preview shows how the Yxy color 28.8009, 0.2055, 0.1798 looks on a white background.

Color Contrast Check

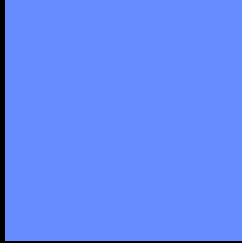
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8009, 0.2055, 0.1798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

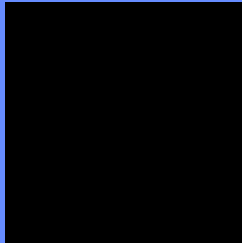
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

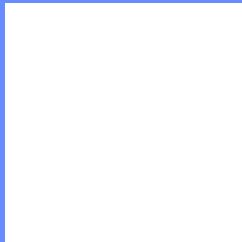
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.8009, 0.2055, 0.1798

Background



This preview shows how black text looks on a background with the Yxy color 28.8009, 0.2055, 0.1798.



This preview shows how white text looks on a background with the Yxy color 28.8009, 0.2055, 0.1798.

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

28.8009, 0.2055, 0.1798

Protanopia

28.9457, 0.2024, 0.1812

Deuteranopia

28.8291, 0.1918, 0.1853



Tritanopia

28.8648, 0.2329, 0.3062

Trichromacy



Original Color

28.8009, 0.2055, 0.1798

Protanomaly

28.8111, 0.2034, 0.1803

Deuteranomaly

28.5187, 0.1952, 0.1819

Tritanomaly

28.3404, 0.2207, 0.2499

Monochromacy



Original Color

28.8009, 0.2055, 0.1798

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.9807, 0.2620, 0.2635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8009, 0.2055, 0.1798 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 140, 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(102, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.8009, 0.2055, 0.1798 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, 255) }
```

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

```
.border{ border-color:rgb(102, 140, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8009, 0.2055, 0.1798 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, 255) }
```

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

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

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