

Converting Colors

$Y_{xy}(28.7760, 0.2073, 0.1878)$

Have a look what the booklet for
Yxy(28.7760, 0.2073, 0.1878)
contains.

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Color

Yxy(28.7760, 0.2073, 0.1878)

Conversions

Conversions Part 1

Format	Color
Hex	638EF8
RGB	99, 142, 248
RGB Percent	39%, 56%, 97%
CMY	0.6116, 0.4431, 0.0274
CMYK	0.60, 0.43, 0.00, 0.03
HSL	223°, 91%, 68%
HSV	223°, 60%, 97%
XYZ	31.7639, 28.7760, 92.6869
YIQ	141.2270, -59.6540, 23.8500

Conversions

Conversions Part 2

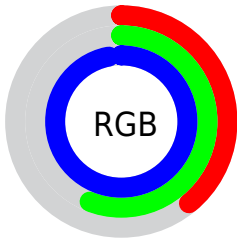
Format	Color
R _Y B	99, 132, 248
Decimal	6524664
CIE Lab	60.58, 16.88, -57.51
CIE LCh	61, 59.932, 286.356
Yxy	28.7760, 0.2073, 0.1878
Android (android.graphics.Color)	4284714744 (0xFF638EF8)
YUV	141.2270, 52.6391, -37.0331
Hunter-Lab	53.6433, 11.8199, -64.8933

Details

The Yxy color **28.7760, 0.2073, 0.1878** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.5384, 0.4235, 0.4352**, and the grayscale version is **26.5401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7238, 0.2503, 0.2583**, and **11.5351, 0.1776, 0.1522** is the 20% darker color. If you saturate the color by 10%, you get **22.7455, 0.1910, 0.1607**, and if you desaturate by 10%, it is **36.0685, 0.2252, 0.2152**.

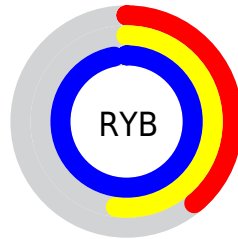
Distribution



Red (39%)

Green (56%)

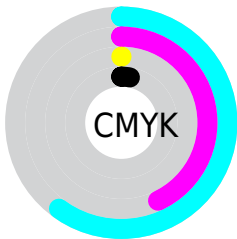
Blue (97%)



Red (39%)

Yellow (52%)

Blue (97%)

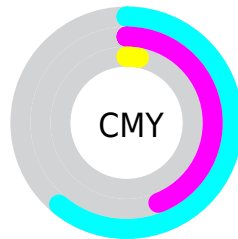


Cyan (60%)

Magenta (43%)

Yellow (0%)

Black (3%)



Cyan (61%)

Magenta (44%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7760, 0.2073, 0.1878 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 28.7760, 0.2073, 0.1878 by changing the saturation by 10% instead.

 28.7760, 0.2073,
0.1878


 28.7760, 0.2073,
0.1878


296.1566, 0.2612,
0.2563


 18.9114, 0.1942,
0.1721


 57.7210, 0.2268,
0.2118

 11.6063, 0.1778,
0.1530


 77.5702, 0.2341,
0.2211

 6.4762, 0.1570,
0.1297


 101.5165, 0.2404,
0.2291

 3.1367, 0.1303,
0.1010

 129.9441, 0.2458,
0.2360

 1.2035, 0.0962,
0.0670

163.2375, 0.2504,
0.2420

 0.0646, 0.0513,
0.0070

201.7812, 0.2545,

 0.0000, 0.0000,

0.2474

0.0000

245.9594, 0.2580,
0.2521

■ 28.7760, 0.2073,
0.1878

■ 28.7760, 0.2073,
0.1878

■ 22.7455, 0.1910,
0.1607

■ 36.0685, 0.2252,
0.2152

■ 17.8945, 0.1772,
0.1352

■ 44.6922, 0.2438,
0.2418

■ 14.1332, 0.1667,
0.1126

■ 54.7141, 0.2623,
0.2669

■ 11.3510, 0.1595,
0.0941

■ 66.1957, 0.2802,
0.2898

■ 79.1948, 0.2970,
0.3105

93.7655, 0.3126,
0.3289

99.5573, 0.3168,
0.3357

Harmonies

Analogous

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



28.7760, 0.1637, 0.1964



28.7760, 0.2073, 0.1878



28.7760, 0.2842, 0.2065

Triad

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



28.7760, 0.2073, 0.1878



28.7760, 0.5046, 0.3726



28.7760, 0.2302, 0.4336

Complementary

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



28.7760, 0.2073, 0.1878



64.5384, 0.4235, 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.



28.7760, 0.3153, 0.5062



28.7760, 0.2073, 0.1878



28.7760, 0.4753, 0.4409

Square

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



28.7760, 0.2073, 0.1878



28.7760, 0.4718, 0.3066



28.7760, 0.4044, 0.4980



28.7760, 0.1728, 0.3229

Rectangle

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



28.7760, 0.2073, 0.1878



28.7760, 0.3502, 0.2322



28.7760, 0.4044, 0.4980



28.7760, 0.2566, 0.4658

Sweetspot

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



28.7769, 0.2073, 0.1878



73.2122, 0.2837, 0.2942



74.1163, 0.2579, 0.3859



14.8518, 0.2786, 0.2879



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.



28.7769, 0.2073, 0.1878



23.0784, 0.1880, 0.1553



20.3609, 0.2144, 0.1435



17.4584, 0.2979, 0.3116



6.3390, 0.1602, 0.0968



0.7605, 0.1666, 0.1197

Inverse Universe

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



30.8394, 0.4454, 0.2858



27.2817, 0.4893, 0.2829



82.9740, 0.3763, 0.4819



17.3075, 0.3248, 0.3222



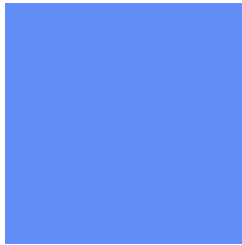
11.0508, 0.5807, 0.2973



1.0410, 0.5471, 0.2787

Previews

White Background



This preview shows how the Yxy color 28.7760, 0.2073, 0.1878 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 28.7760, 0.2073, 0.1878 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 28.7760, 0.2073, 0.1878

Background



This preview shows how black text looks on a background with the Yxy color 28.7760, 0.2073, 0.1878.



This preview shows how white text looks on a background with the Yxy color 28.7760, 0.2073, 0.1878.

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

28.7760, 0.2073, 0.1878

Protanopia

28.8326, 0.2078, 0.1880

Deuteranopia

28.9606, 0.1982, 0.1920



Tritanopia

28.8648, 0.2329, 0.3062

Trichromacy



Original Color

28.7760, 0.2073, 0.1878

Protanomaly

28.8326, 0.2078, 0.1880

Deuteranomaly

28.7600, 0.2012, 0.1903

Tritanomaly

28.5304, 0.2216, 0.2542

Monochromacy



Original Color

28.7760, 0.2073, 0.1878

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.7807, 0.2634, 0.2675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7760, 0.2073, 0.1878 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, 142, 248)` looks like.

```
.text, #text, p{  
    color:rgb(99, 142, 248)  
}
```

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, 142, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 142, 248) }
```

Border

The CSS property to change the border of an element to Yxy 28.7760, 0.2073, 0.1878 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, 142, 248) }
```

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

```
.border{ border-color:rgb(99, 142, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 142, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 142, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 142, 248);  
box-shadow:4px 4px 4px 4px rgb(99, 142,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7760, 0.2073, 0.1878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 142, 248) }
```

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

```
.background{ background-color: rgb(99, 142,  
248) }
```

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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