

Converting Colors

$Y_{xy}(32.2807, 0.2010, 0.1836)$

Have a look what the booklet for
Yxy(32.2807, 0.2010, 0.1836)
contains.

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Color

Yxy(31.6804, 0.2047, 0.1929)

Conversions

Conversions Part 1

Format	Color
Hex	5D97FF
RGB	93, 151, 255
RGB Percent	36%, 59%, 100%
CMY	0.6358, 0.4077, 0.0001
CMYK	0.64, 0.41, 0.00, 0.00
HSL	218°, 100%, 68%
HSV	218°, 64%, 100%
XYZ	33.6183, 31.6804, 98.9335
YIQ	145.5140, -67.9520, 20.0480

Conversions

Conversions Part 2

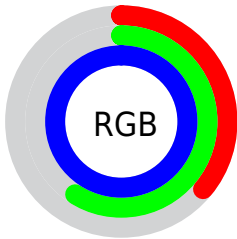
Format	Color
R _{YB}	93, 136, 255
Decimal	6133759
CIE _{Lab}	63.08, 12.75, -57.37
CIE _{LCh}	63, 58.771, 282.530
Yxy	31.6804, 0.2047, 0.1929
Android (android.graphics.Color)	4284323839 (0xFF5D97FF)
YUV	145.5140, 53.9766, -46.0548
Hunter-Lab	56.2853, 8.1159, -64.8151

Details

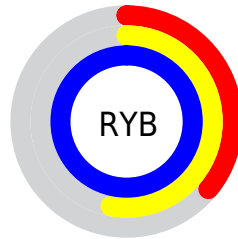
The Yxy color **31.6804, 0.2047, 0.1929** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **61.9004, 0.4385, 0.4299**, and the grayscale version is **28.3222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9506, 0.2498, 0.2702**, and **13.3846, 0.1779, 0.1604** is the 20% darker color. If you saturate the color by 10%, you get **25.6630, 0.1900, 0.1681**, and if you desaturate by 10%, it is **38.8729, 0.2212, 0.2180**.

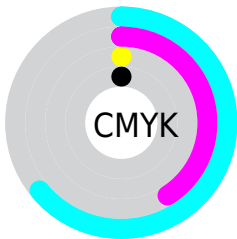
Distribution



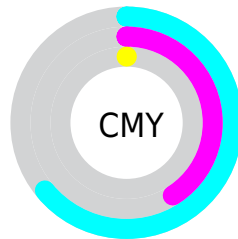
- Red (36%)
- Green (59%)
- Blue (100%)



- Red (36%)
- Yellow (53%)
- Blue (100%)



- Cyan (64%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (64%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6804, 0.2047, 0.1929 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 31.6804, 0.2047, 0.1929 by changing the saturation by 10% instead.

 31.6804, 0.2047,
0.1929


 31.6804, 0.2047,
0.1929


309.6608, 0.2589,
0.2585


 21.1175, 0.1918,
0.1779


 62.3097, 0.2240,
0.2158

 13.2099, 0.1758,
0.1597


 83.1449, 0.2314,
0.2247

 7.5733, 0.1557,
0.1374


 108.1730, 0.2377,
0.2324

 3.8231, 0.1301,
0.1100

 137.7784, 0.2431,
0.2390

 1.5751, 0.0977,
0.0769

172.3455, 0.2479,
0.2448

 0.3407, 0.0578,
0.0310

212.2587, 0.2520,

 0.0000, 0.0000,

0.2499

0.0000

257.9023, 0.2556,
0.2545

■ 31.6804, 0.2047,
0.1929

■ 31.6804, 0.2047,
0.1929

■ 25.6630, 0.1900,
0.1681

■ 38.8729, 0.2212,
0.2180

■ 20.7418, 0.1778,
0.1445

■ 47.3055, 0.2388,
0.2424

■ 16.8297, 0.1686,
0.1233

■ 57.0412, 0.2567,
0.2654

■ 14.7808, 0.1642,
0.1112

■ 68.1373, 0.2743,
0.2867

■ 80.6476, 0.2913,
0.3060

94.6226, 0.3073,
0.3233

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



31.6804, 0.1664, 0.2053



31.6804, 0.2047, 0.1929



31.6804, 0.2748, 0.2077

Triad

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



31.6804, 0.2047, 0.1929



31.6804, 0.4951, 0.3639



31.6804, 0.2439, 0.4400

Complementary

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



31.6804, 0.2047, 0.1929



61.9004, 0.4385, 0.4299

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.



31.6804, 0.3275, 0.4997



31.6804, 0.2047, 0.1929



31.6804, 0.4750, 0.4295

Square

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



31.6804, 0.2047, 0.1929



31.6804, 0.4556, 0.3006



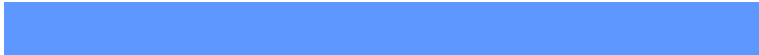
31.6804, 0.4117, 0.4856



31.6804, 0.1841, 0.3366

Rectangle

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



31.6804, 0.2047, 0.1929



31.6804, 0.3362, 0.2308



31.6804, 0.4117, 0.4856



31.6804, 0.2702, 0.4678

Sweetspot

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



31.6814, 0.2047, 0.1929



73.6943, 0.2822, 0.2958



77.7930, 0.2609, 0.4046



15.0240, 0.2773, 0.2902



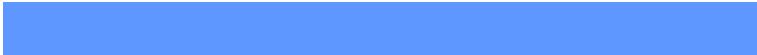
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



31.6814, 0.2047, 0.1929



24.3758, 0.1868, 0.1622



18.6365, 0.2007, 0.1292



18.4441, 0.2979, 0.3133



7.9804, 0.1651, 0.1142



0.9749, 0.1713, 0.1367

Inverse Universe

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



31.2988, 0.4423, 0.2729



26.2500, 0.4835, 0.2700



89.6810, 0.3862, 0.4848



18.0947, 0.3238, 0.3205



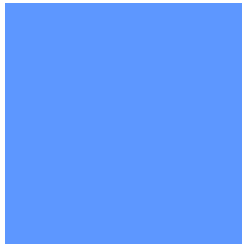
11.5336, 0.5549, 0.2831



1.1430, 0.5236, 0.2658

Previews

White Background



This preview shows how the Yxy color 31.6804, 0.2047, 0.1929 looks on a white background.

Color Contrast Check

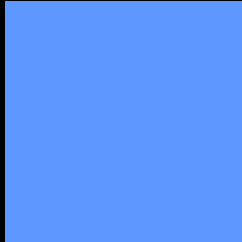
Large Text (above 18pt) WCAG AA × Fail

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 31.6804, 0.2047, 0.1929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

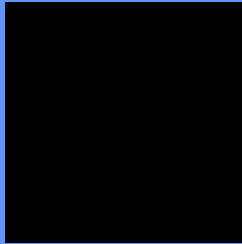
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

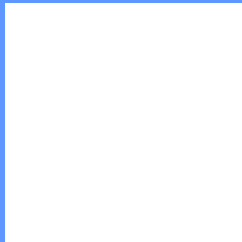
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6804, 0.2047, 0.1929

Background



This preview shows how black text looks on a background with the Yxy color 31.6804, 0.2047, 0.1929.



This preview shows how white text looks on a background with the Yxy color 31.6804, 0.2047, 0.1929.

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

31.6804, 0.2047, 0.1929

Protanopia

31.4593, 0.2124, 0.1939

Deuteranopia

31.7518, 0.2007, 0.1941



Tritanopia

31.7037, 0.2270, 0.3052

Trichromacy



Original Color

31.6804, 0.2047, 0.1929

Protanomaly

31.4703, 0.2093, 0.1934

Deuteranomaly

31.6078, 0.2019, 0.1932

Tritanomaly

31.2371, 0.2168, 0.2561

Monochromacy



Original Color

31.6804, 0.2047, 0.1929

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.8058, 0.2608, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6804, 0.2047, 0.1929 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(93, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(93, 151, 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(93, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.6804, 0.2047, 0.1929 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(93, 151, 255) }
```

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

```
.border{ border-color:rgb(93, 151, 255) }
```

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

Here you see how a box with a 4 pixel rgb(93, 151, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6804, 0.2047, 0.1929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 151, 255) }
```

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

```
.background{ background-color: rgb(93, 151,  
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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