

Converting Colors

$Y_{xy}(30.8130, 0.2063, 0.1912)$

Have a look what the booklet for
Yxy(30.8130, 0.2063, 0.1912)
contains.

Yxy(30.8130, 0.2063, 0.1912)	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(30.8130, 0.2063, 0.1912)

Conversions

Conversions Part 1

Format	Color
Hex	6194FD
RGB	97, 148, 253
RGB Percent	38%, 58%, 99%
CMY	0.6195, 0.4196, 0.0080
CMYK	0.62, 0.41, 0.00, 0.01
HSL	220°, 97%, 69%
HSV	220°, 62%, 99%
XYZ	33.2465, 30.8130, 97.0964
YIQ	144.7210, -64.1010, 21.8430

Conversions

Conversions Part 2

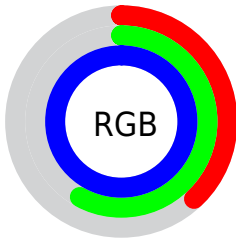
Format	Color
R _Y B	97, 135, 253
Decimal	6395133
CIE Lab	62.35, 14.58, -57.42
CIE LCh	62, 59.243, 284.248
Yxy	30.8130, 0.2063, 0.1912
Android (android.graphics.Color)	4284585213 (0xFF6194FD)
YUV	144.7210, 53.3815, -41.8513
Hunter-Lab	55.5095, 9.7680, -64.8527

Details

The Yxy color **30.8130, 0.2063, 0.1912** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.9759, 0.4307, 0.4321**, and the grayscale version is **27.9985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8320, 0.2510, 0.2667**, and **12.7338, 0.1772, 0.1572** is the 20% darker color. If you saturate the color by 10%, you get **24.6838, 0.1908, 0.1653**, and if you desaturate by 10%, it is **38.1728, 0.2235, 0.2173**.

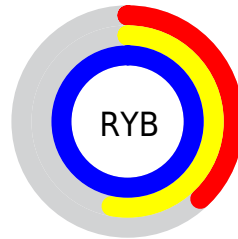
Distribution



Red (38%)

Green (58%)

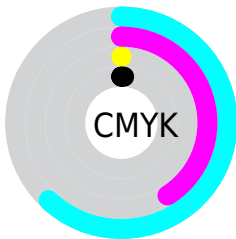
Blue (99%)



Red (38%)

Yellow (53%)

Blue (99%)

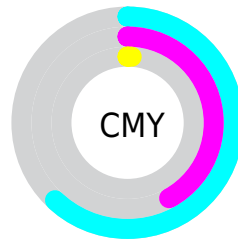


Cyan (62%)

Magenta (41%)

Yellow (0%)

Black (1%)



Cyan (62%)


Magenta (42%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8130, 0.2063, 0.1912 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 30.8130, 0.2063, 0.1912 by changing the saturation by 10% instead.


 30.8130, 0.2063,
0.1912


 30.8130, 0.2063,
0.1912


305.6759, 0.2600,
0.2577

 20.4565, 0.1934,
0.1760


 60.9455, 0.2256,
0.2144

 12.7273, 0.1774,
0.1576


 81.4904, 0.2329,
0.2234

 7.2410, 0.1571,
0.1350


 106.2001, 0.2391,
0.2312

 3.6133, 0.1313,
0.1072

 135.4591, 0.2445,
0.2379

 1.4597, 0.0985,
0.0739

169.6518, 0.2492,
0.2438

 0.2601, 0.0576,
0.0248

209.1625, 0.2532,

 0.0000, 0.0000,

0.2490

0.0000

254.3758, 0.2568,
0.2536

■ 30.8130, 0.2063,
0.1912

■ 30.8130, 0.2063,
0.1912

■ 24.6838, 0.1908,
0.1653

■ 38.1728, 0.2235,
0.2173

■ 19.7043, 0.1778,
0.1408

■ 46.8303, 0.2416,
0.2427

■ 15.7861, 0.1679,
0.1188

■ 56.8509, 0.2598,
0.2667

■ 13.2303, 0.1620,
0.1031

■ 68.2941, 0.2775,
0.2887

■ 81.2159, 0.2944,
0.3086

95.6690, 0.3102,
0.3263

99.8698, 0.3139,
0.3309

Harmonies

Analogous

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



30.8130, 0.1658, 0.2019



30.8130, 0.2063, 0.1912



30.8130, 0.2791, 0.2077

Triad

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



30.8130, 0.2063, 0.1912



30.8130, 0.4985, 0.3677



30.8130, 0.2383, 0.4367

Complementary

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



30.8130, 0.2063, 0.1912



63.9759, 0.4307, 0.4321

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.



30.8130, 0.3222, 0.5016



30.8130, 0.2063, 0.1912



30.8130, 0.4745, 0.4342

Square

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



30.8130, 0.2063, 0.1912



30.8130, 0.4620, 0.3035



30.8130, 0.4082, 0.4903



30.8130, 0.1797, 0.3307

Rectangle

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



30.8130, 0.2063, 0.1912



30.8130, 0.3422, 0.2318



30.8130, 0.4082, 0.4903



30.8130, 0.2645, 0.4662

Sweetspot

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



30.8140, 0.2063, 0.1912



74.1578, 0.2838, 0.2962



76.9896, 0.2594, 0.3948



15.0798, 0.2788, 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.



30.8140, 0.2063, 0.1912



23.8240, 0.1874, 0.1593



19.8561, 0.2078, 0.1368



18.3475, 0.2979, 0.3125



7.2749, 0.1628, 0.1059



0.8978, 0.1689, 0.1282

Inverse Universe

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



31.5690, 0.4429, 0.2790



26.7498, 0.4858, 0.2759



87.4212, 0.3811, 0.4832



18.0850, 0.3243, 0.3213



11.4624, 0.5671, 0.2898



1.1352, 0.5352, 0.2722

Previews

White Background



This preview shows how the Yxy color 30.8130, 0.2063, 0.1912 looks on a white background.

Color Contrast Check

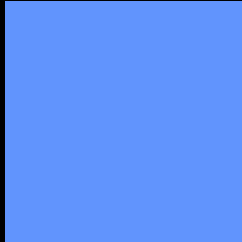
Large Text (above 18pt) WCAG AA × Fail

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 30.8130, 0.2063, 0.1912 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

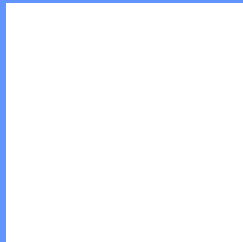
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.8130, 0.2063, 0.1912

Background



This preview shows how black text looks on a background with the Yxy color 30.8130, 0.2063, 0.1912.



This preview shows how white text looks on a background with the Yxy color 30.8130, 0.2063, 0.1912.

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

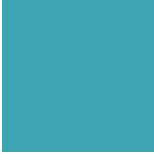
30.8130, 0.2063, 0.1912

Protanopia

30.6502, 0.2103, 0.1908

Deuteranopia

30.8238, 0.2003, 0.1938



Tritanopia

30.7259, 0.2301, 0.3050

Trichromacy



Original Color

30.8130, 0.2063, 0.1912

Protanomaly

30.7793, 0.2091, 0.1916

Deuteranomaly

30.8194, 0.2026, 0.1933

Tritanomaly

30.2780, 0.2194, 0.2555

Monochromacy



Original Color

30.8130, 0.2063, 0.1912

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.6077, 0.2630, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8130, 0.2063, 0.1912 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(97, 148, 253)` looks like.

```
.text, #text, p{  
    color:rgb(97, 148, 253)  
}
```

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(97, 148, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 148, 253) }
```

Border

The CSS property to change the border of an element to Yxy 30.8130, 0.2063, 0.1912 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(97, 148, 253) }
```

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

```
.border{ border-color:rgb(97, 148, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 148, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 148, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 148, 253);  
box-shadow:4px 4px 4px 4px rgb(97, 148,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8130, 0.2063, 0.1912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 148, 253) }
```

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

```
.background{ background-color: rgb(97, 148,  
253) }
```

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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