

Converting Colors

$Y_{xy}(33.1382, 0.2062, 0.2118)$

Have a look what the booklet for
Yxy(33.1382, 0.2062, 0.2118)
contains.

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Color

Yxy(33.1382, 0.2062, 0.2118)

Conversions

Conversions Part 1	
Format	Color
Hex	519FF5
RGB	81, 159, 245
RGB Percent	32%, 62%, 96%
CMY	0.6828, 0.3764, 0.0393
CMYK	0.67, 0.35, 0.00, 0.04
HSL	211°, 89%, 64%
HSV	211°, 67%, 96%
XYZ	32.2620, 33.1382, 91.0596
YIQ	145.4820, -74.0940, 10.2100

Conversions

Conversions Part 2

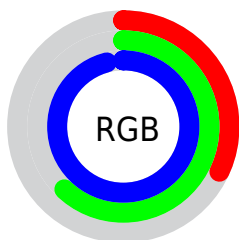
Format	Color
RYB	81, 134, 245
Decimal	5349365
CIELab	64.27, 2.78, -50.03
CIELCh	64, 50.107, 273.180
Yxy	33.1382, 0.2062, 0.2118
Android (android.graphics.Color)	4283539445 (0xFF519FF5)
YUV	145.4820, 49.0624, -56.5507
Hunter-Lab	57.5658, -0.7020, -53.4910

Details

The Yxy color **33.1382, 0.2062, 0.2118** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **47.5801, 0.4615, 0.4150**, and the grayscale version is **28.3310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8282, 0.2456, 0.2792**, and **14.3560, 0.1842, 0.1832** is the 20% darker color. If you saturate the color by 10%, you get **28.0593, 0.1937, 0.1912**, and if you desaturate by 10%, it is **39.0675, 0.2206, 0.2324**.

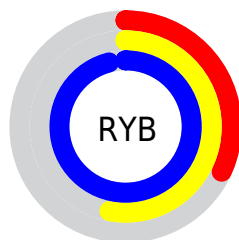
Distribution



Red (32%)

Green (62%)

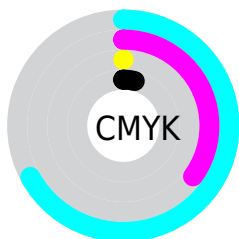
Blue (96%)



Red (32%)

Yellow (53%)

Blue (96%)

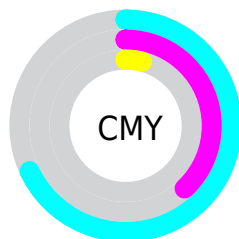


Cyan (67%)

Magenta (35%)

Yellow (0%)

Black (4%)



Cyan (68%)


Magenta (38%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1382, 0.2062, 0.2118 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 33.1382, 0.2062, 0.2118 by changing the saturation by 10% instead.


 33.1382, 0.2062,
0.2118


 33.1382, 0.2062,
0.2118


316.2720, 0.2593,
0.2698

 22.2323, 0.1935,
0.1981


 64.5912, 0.2252,
0.2324

 14.0277, 0.1777,
0.1811


 85.9072, 0.2324,
0.2403

 8.1399, 0.1578,
0.1598


 111.4620, 0.2386,
0.2470

 4.1846, 0.1322,
0.1326

 141.6400, 0.2439,
0.2528

 1.7774, 0.0993,
0.0981

176.8256, 0.2485,
0.2579

 0.4730, 0.0554,
0.0506


217.4032, 0.2526,


 0.0000, 0.0000,


0.2623

0.0000


263.7572, 0.2561,
0.2663


 33.1382, 0.2062,
0.2118


 33.1382, 0.2062,
0.2118

 28.0593, 0.1937,
0.1912


 39.0675, 0.2206,
0.2324

 23.7693, 0.1837,
0.1711


 45.8949, 0.2362,
0.2524


 20.1981, 0.1761,
0.1523


 53.6675, 0.2527,
0.2714


 19.2315, 0.1742,
0.1469

 62.4277, 0.2694,
0.2891

 72.2147, 0.2859,
0.3052

 83.0653, 0.3019,
0.3198

 95.0145, 0.3173,
0.3328

 99.3709, 0.3185,
0.3386

Harmonies

Analogous

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



33.1382, 0.1806, 0.2327



33.1382, 0.2062, 0.2118



33.1382, 0.2595, 0.2172

Triad

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



33.1382, 0.2062, 0.2118



33.1382, 0.4618, 0.3447



33.1382, 0.2770, 0.4415

Complementary

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



33.1382, 0.2062, 0.2118



47.5801, 0.4615, 0.4150

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.



33.1382, 0.3515, 0.4738



33.1382, 0.2062, 0.2118



33.1382, 0.4621, 0.4021

Square

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



33.1382, 0.2062, 0.2118



33.1382, 0.4131, 0.2899



33.1382, 0.4196, 0.4522



33.1382, 0.2163, 0.3635

Rectangle

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



33.1382, 0.2062, 0.2118



33.1382, 0.3084, 0.2335



33.1382, 0.4196, 0.4522



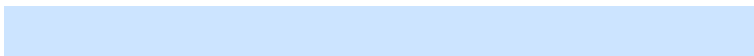
33.1382, 0.3013, 0.4588

Sweetspot

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



33.1393, 0.2062, 0.2118



75.7008, 0.2809, 0.3004



69.7739, 0.2684, 0.4367



15.5531, 0.2762, 0.2959



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.



33.1393, 0.2062, 0.2118



29.1469, 0.1903, 0.1847



14.3275, 0.1839, 0.1144



17.2284, 0.2980, 0.3163



10.6363, 0.1750, 0.1498



1.1392, 0.1814, 0.1731

Inverse Universe

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



27.7804, 0.4246, 0.2518



25.7701, 0.4591, 0.2476



84.8002, 0.4024, 0.4818



16.6139, 0.3219, 0.3178



11.1731, 0.5061, 0.2562



1.0026, 0.4768, 0.2400

Previews

White Background



This preview shows how the Yxy color 33.1382, 0.2062, 0.2118 looks on a white background.

Color Contrast Check

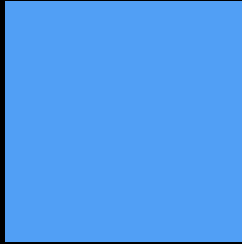
Large Text (above 18pt) WCAG AA × Fail

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 33.1382, 0.2062, 0.2118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

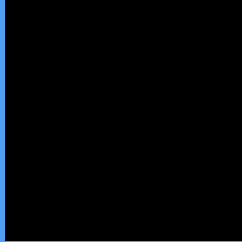
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

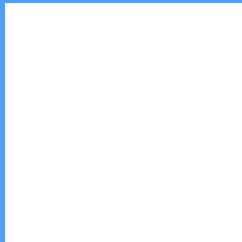
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.1382, 0.2062, 0.2118

Background



This preview shows how black text looks on a background with the Yxy color 33.1382, 0.2062, 0.2118.



This preview shows how white text looks on a background with the Yxy color 33.1382, 0.2062, 0.2118.

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

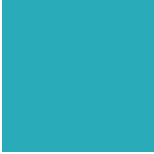
33.1382, 0.2062, 0.2118

Protanopia

32.8994, 0.2271, 0.2136

Deuteranopia

33.0396, 0.2144, 0.2080



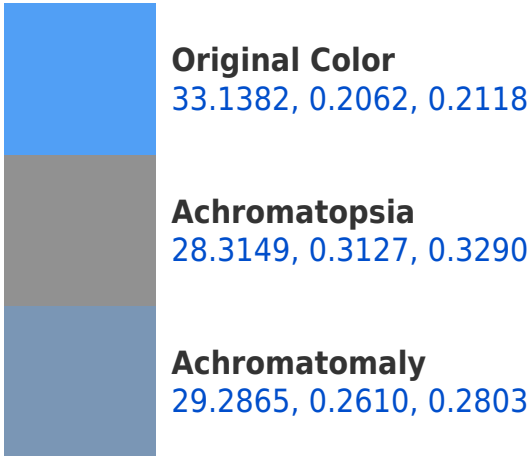
Tritanopia

33.1208, 0.2239, 0.3055

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1382, 0.2062, 0.2118 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(81, 159, 245) looks like.

```
.text, #text, p{  
    color:rgb(81, 159, 245)  
}
```

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(81, 159, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 159, 245) }
```

Border

The CSS property to change the border of an element to Yxy 33.1382, 0.2062, 0.2118 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(81, 159, 245) }
```

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

```
.border{ border-color:rgb(81, 159, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 159, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 159, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 159, 245);  
box-shadow:4px 4px 4px 4px rgb(81, 159,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1382, 0.2062, 0.2118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 159, 245) }
```

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

```
.background{ background-color: rgb(81, 159,  
245) }
```

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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