

Converting Colors

$Y_{xy}(33.2048, 0.2166, 0.1966)$

Have a look what the booklet for
Yxy(33.2048, 0.2166, 0.1966)
contains.

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Color

Yxy(33.2048, 0.2166, 0.1966)

Conversions

Conversions Part 1

Format	Color
Hex	7697FF
RGB	118, 151, 255
RGB Percent	46%, 59%, 100%
CMY	0.5375, 0.4078, 0.0000
CMYK	0.54, 0.41, 0.00, 0.00
HSL	226°, 100%, 73%
HSV	226°, 54%, 100%
XYZ	36.5827, 33.2048, 99.1077
YIQ	152.9890, -53.0520, 25.3480

Conversions

Conversions Part 2

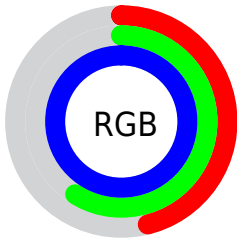
Format	Color
RYB	118, 145, 255
Decimal	7772159
CIELab	64.33, 17.47, -55.33
CIELCh	64, 58.025, 287.523
Yxy	33.2048, 0.2166, 0.1966
Android (android.graphics.Color)	4285962239 (0xFF7697FF)
YUV	152.9890, 50.2914, -30.6854
Hunter-Lab	57.6236, 12.4805, -61.6372

Details

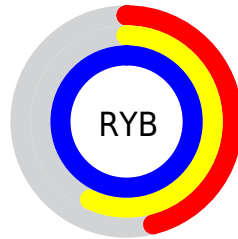
The Yxy color **33.2048, 0.2166, 0.1966** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **74.7622, 0.4077, 0.4317**, and the grayscale version is **31.6385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2298, 0.2620, 0.2720**, and **14.1415, 0.1903, 0.1649** is the 20% darker color. If you saturate the color by 10%, you get **25.9306, 0.1986, 0.1677**, and if you desaturate by 10%, it is **41.9822, 0.2356, 0.2254**.

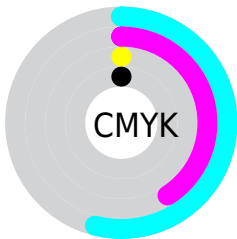
Distribution



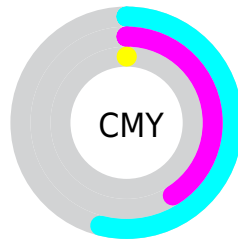
- Red (46%)
- Green (59%)
- Blue (100%)



- Red (46%)
- Yellow (57%)
- Blue (100%)



- Cyan (54%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2048, 0.2166, 0.1966 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 33.2048, 0.2166, 0.1966 by changing the saturation by 10% instead.


 33.2048, 0.2166,
0.1966


 33.2048, 0.2166,
0.1966


316.5716, 0.2651,
0.2599


 22.2834, 0.2049,
0.1822

 64.6951, 0.2340,
0.2186

 14.0653, 0.1903,
0.1647


 86.0329, 0.2406,
0.2272

 8.1661, 0.1718,
0.1432


 111.6115, 0.2463,
0.2346

 4.2014, 0.1478,
0.1166

141.8153, 0.2511,
0.2410

 1.7869, 0.1166,
0.0842

177.0289, 0.2553,
0.2466

 0.4790, 0.0773,
0.0420

217.6365, 0.2590,

 0.0000, 0.0000,

0.2516

0.0000

264.0226, 0.2622,
0.2560

■ 33.2048, 0.2166,
0.1966

■ 33.2048, 0.2166,
0.1966

■ 25.9306, 0.1986,
0.1677

■ 41.9822, 0.2356,
0.2254

■ 20.0710, 0.1827,
0.1400

■ 52.3458, 0.2548,
0.2528

■ 15.5256, 0.1698,
0.1152

■ 64.3707, 0.2733,
0.2783

■ 12.1787, 0.1607,
0.0946

■ 78.1276, 0.2908,
0.3014

■ 10.6169, 0.1568,
0.0843

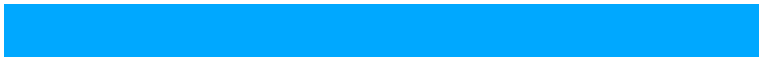
■ 93.6830, 0.3070,
0.3219

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.



33.2048, 0.1738, 0.2042



33.2048, 0.2166, 0.1966



33.2048, 0.2901, 0.2152

Triad

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



33.2048, 0.2166, 0.1966



33.2048, 0.4910, 0.3745



33.2048, 0.2341, 0.4210

Complementary

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



33.2048, 0.2166, 0.1966



74.7622, 0.4077, 0.4317

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.



33.2048, 0.3134, 0.4899



33.2048, 0.2166, 0.1966



33.2048, 0.4634, 0.4382

Square

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



33.2048, 0.2166, 0.1966



33.2048, 0.4620, 0.3116



33.2048, 0.3970, 0.4879



33.2048, 0.1808, 0.3206

Rectangle

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



33.2048, 0.2166, 0.1966



33.2048, 0.3515, 0.2401



33.2048, 0.3970, 0.4879



33.2048, 0.2586, 0.4507

Sweetspot

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



33.2044, 0.2166, 0.1966



74.8837, 0.2870, 0.2964



80.5726, 0.2584, 0.3702



15.4087, 0.2835, 0.2918



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.



33.2044, 0.2166, 0.1966



25.1254, 0.1965, 0.1641



26.8539, 0.2313, 0.1656



18.0896, 0.2979, 0.3104



5.7396, 0.1574, 0.0868



0.7201, 0.1632, 0.1073

Inverse Universe

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



36.4345, 0.4325, 0.2956



30.0383, 0.4742, 0.2918



88.1563, 0.3669, 0.4703



18.0590, 0.3256, 0.3233



11.3074, 0.5962, 0.3058



1.1172, 0.5650, 0.2886

Previews

White Background



This preview shows how the Yxy color 33.2048, 0.2166, 0.1966 looks on a white background.

Color Contrast Check

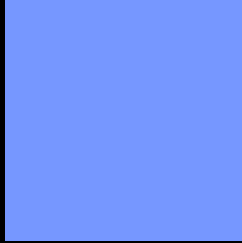
Large Text (above 18pt) WCAG AA × Fail

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 33.2048, 0.2166, 0.1966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

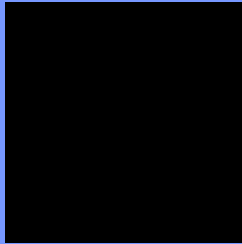
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2048, 0.2166, 0.1966

Background



This preview shows how black text looks on a background with the Yxy color 33.2048, 0.2166, 0.1966.



This preview shows how white text looks on a background with the Yxy color 33.2048, 0.2166, 0.1966.

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

33.2048, 0.2166, 0.1966

Protanopia

33.2539, 0.2148, 0.1972

Deuteranopia

33.3124, 0.2071, 0.2006



Tritanopia

33.2489, 0.2448, 0.3063

Trichromacy



Original Color

33.2048, 0.2166, 0.1966

Protanomaly

33.3213, 0.2153, 0.1974

Deuteranomaly

33.1505, 0.2104, 0.1991

Tritanomaly

32.8105, 0.2327, 0.2588

Monochromacy



Original Color

33.2048, 0.2166, 0.1966

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.7496, 0.2695, 0.2730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2048, 0.2166, 0.1966 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(118, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.2048, 0.2166, 0.1966 is called "border". The border property can be set on classes, ids or directly on the HTML element.

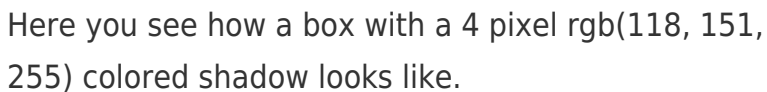
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 151, 255) }
```

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

```
.border{ border-color:rgb(118, 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(118, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2048, 0.2166, 0.1966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 151, 255) }
```

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

```
.background{ background-color: rgb(118,  
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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