

Converting Colors

$Yxy(33.8912, 0.2145, 0.1855)$

Have a look what the booklet for
Yxy(33.8912, 0.2145, 0.1855)
contains.

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Color

Yxy(33.0000, 0.2194, 0.1951)

Conversions

Conversions Part 1

Format	Color
Hex	7C95FF
RGB	124, 149, 255
RGB Percent	49%, 58%, 100%
CMY	0.5137, 0.4157, 0.0000
CMYK	0.51, 0.42, 0.00, 0.00
HSL	229°, 100%, 74%
HSV	229°, 51%, 100%
XYZ	37.1102, 33.0000, 99.0338
YIQ	153.6090, -48.9260, 27.6660

Conversions

Conversions Part 2

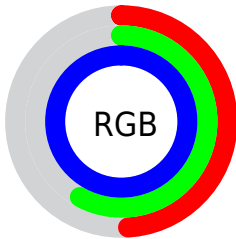
Format	Color
RYB	124, 145, 255
Decimal	8164863
CIELab	64.16, 19.92, -55.57
CIELCh	64, 59.033, 289.724
Yxy	33.0000, 0.2194, 0.1951
Android (android.graphics.Color)	4286354943 (0xFF7C95FF)
YUV	153.6090, 49.9858, -25.9671
Hunter-Lab	57.4456, 14.7822, -62.0015

Details

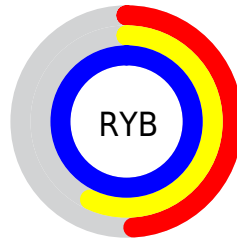
The Yxy color **33.0000, 0.2194, 0.1951** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **79.3042, 0.3999, 0.4334**, and the grayscale version is **31.9276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9992, 0.2655, 0.2702**, and **14.0250, 0.1937, 0.1632** is the 20% darker color. If you saturate the color by 10%, you get **25.3792, 0.2005, 0.1646**, and if you desaturate by 10%, it is **42.2686, 0.2391, 0.2254**.

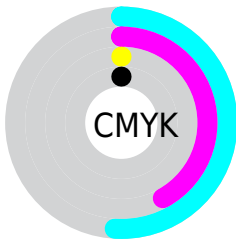
Distribution



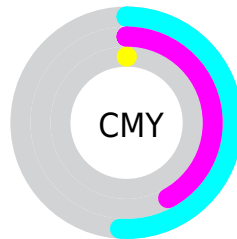
- Red (49%)
- Green (58%)
- Blue (100%)



- Red (49%)
- Yellow (57%)
- Blue (100%)



- Cyan (51%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (51%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0000, 0.2194, 0.1951 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 33.0000, 0.2194, 0.1951 by changing the saturation by 10% instead.


 33.0000, 0.2194,
0.1951


 33.0000, 0.2194,
0.1951


315.6497, 0.2667,
0.2589


 22.1264, 0.2079,
0.1807


 64.3755, 0.2364,
0.2173

 13.9498, 0.1936,
0.1631


 85.6463, 0.2429,
0.2259

 8.0858, 0.1753,
0.1416


 111.1516, 0.2484,
0.2333

 4.1499, 0.1516,
0.1150

141.2758, 0.2531,
0.2398

 1.7578, 0.1205,
0.0827

176.4033, 0.2572,
0.2455

 0.4606, 0.0812,
0.0403

216.9186, 0.2608,

 0.0000, 0.0000,

0.2505

0.0000

263.2059, 0.2639,
0.2549

■ 33.0000, 0.2194,
0.1951

■ 33.0000, 0.2194,
0.1951

■ 25.3792, 0.2005,
0.1646

■ 42.2686, 0.2391,
0.2254

■ 19.3061, 0.1835,
0.1356

■ 53.2757, 0.2587,
0.2543

■ 14.6696, 0.1697,
0.1098

■ 66.1056, 0.2774,
0.2809

■ 11.3424, 0.1598,
0.0890

■ 80.8372, 0.2948,
0.3050

■ 9.3898, 0.1544,
0.0758

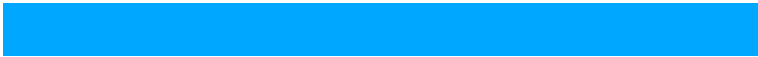
■ 97.5443, 0.3107,
0.3263

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.



33.0000, 0.1737, 0.2006



33.0000, 0.2194, 0.1951



33.0000, 0.2961, 0.2157

Triad

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



33.0000, 0.2194, 0.1951



33.0000, 0.4939, 0.3795



33.0000, 0.2275, 0.4157

Complementary

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



33.0000, 0.2194, 0.1951



79.3042, 0.3999, 0.4334

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.



33.0000, 0.3067, 0.4906



33.0000, 0.2194, 0.1951



33.0000, 0.4618, 0.4440

Square

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



33.0000, 0.2194, 0.1951



33.0000, 0.4691, 0.3155



33.0000, 0.3922, 0.4931



33.0000, 0.1759, 0.3132

Rectangle

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



33.0000, 0.2194, 0.1951



33.0000, 0.3593, 0.2420



33.0000, 0.3922, 0.4931



33.0000, 0.2517, 0.4472

Sweetspot

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



33.0001, 0.2194, 0.1951



75.2725, 0.2886, 0.2966



81.4505, 0.2571, 0.3600



15.4440, 0.2850, 0.2915



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.



33.0001, 0.2194, 0.1951



24.9554, 0.1994, 0.1627



29.4515, 0.2406, 0.1753



17.9388, 0.2979, 0.3092



5.0653, 0.1550, 0.0779



0.6344, 0.1602, 0.0966

Inverse Universe

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



37.8437, 0.4323, 0.3037



31.3253, 0.4734, 0.3006



87.5281, 0.3606, 0.4667



18.0437, 0.3264, 0.3245



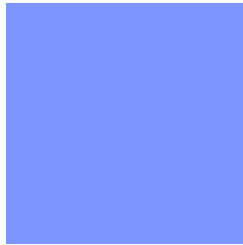
11.2393, 0.6103, 0.3136



1.1086, 0.5810, 0.2974

Previews

White Background



This preview shows how the Yxy color 33.0000, 0.2194, 0.1951 looks on a white background.

Color Contrast Check

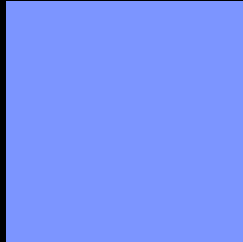
Large Text (above 18pt) WCAG AA × Fail

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 33.0000, 0.2194, 0.1951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

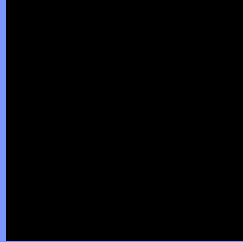
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0000, 0.2194, 0.1951

Background



This preview shows how black text looks on a background with the Yxy color 33.0000, 0.2194, 0.1951.



This preview shows how white text looks on a background with the Yxy color 33.0000, 0.2194, 0.1951.

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

33.0000, 0.2194, 0.1951

Protanopia

33.1872, 0.2143, 0.1971

Deuteranopia

33.2485, 0.2074, 0.2015



Tritanopia

33.1798, 0.2499, 0.3080

Trichromacy



Original Color

33.0000, 0.2194, 0.1951

Protanomaly

33.1351, 0.2161, 0.1964

Deuteranomaly

32.9415, 0.2111, 0.1981

Tritanomaly

32.8348, 0.2370, 0.2593

Monochromacy



Original Color

33.0000, 0.2194, 0.1951

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.0577, 0.2713, 0.2721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0000, 0.2194, 0.1951 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(124, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 149, 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(124, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 149, 255) }
```

Border

The CSS property to change the border of an element to Yxy 33.0000, 0.2194, 0.1951 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(124, 149, 255) }
```

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

```
.border{ border-color:rgb(124, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 149,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0000, 0.2194, 0.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 149, 255) }
```

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

```
.background{ background-color: rgb(124,  
149, 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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