

# Converting Colors

$Yxy(30.9612, 0.2191, 0.1976)$

Have a look what the booklet for  
Yxy(30.9612, 0.2191, 0.1976)  
contains.

<b>Yxy(31.0631, 0.2193, 0.1981)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(31.0631, 0.2193, 0.1981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7692F6
RGB	118, 146, 246
RGB Percent	46%, 57%, 96%
CMY	0.5370, 0.4275, 0.0354
CMYK	0.52, 0.41, 0.00, 0.04
HSL	227°, 88%, 71%
HSV	227°, 52%, 96%
XYZ	34.3874, 31.0631, 91.3547
YIQ	149.0280, -48.7880, 25.1640

# Conversions

## Conversions Part 2

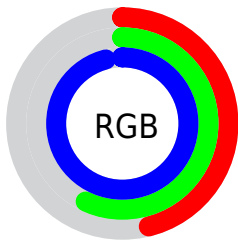
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	118, 141, 246
Decimal	7770870
CIE Lab	62.56, 17.65, -53.18
CIE LCh	63, 56.038, 288.364
Yxy	31.0631, 0.2193, 0.1981
Android (android.graphics.Color)	4285960950 (0xFF7692F6)
YUV	149.0280, 47.8072, -27.2116
Hunter-Lab	55.7343, 12.5973, -58.1689

# Details

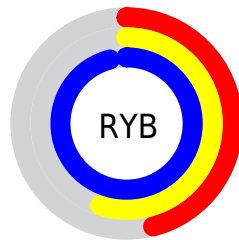
The Yxy color **31.0631, 0.2193, 0.1981** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.0645, 0.4026, 0.4312**, and the grayscale version is **29.8830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8757, 0.2613, 0.2661**, and **12.8806, 0.1930, 0.1657** is the 20% darker color. If you saturate the color by 10%, you get **24.1226, 0.2008, 0.1685**, and if you desaturate by 10%, it is **39.4515, 0.2387, 0.2274**.

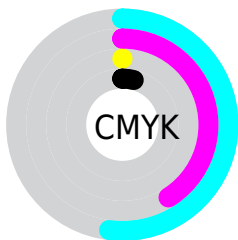
# Distribution



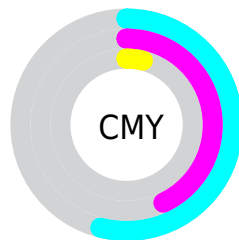
- Red (46%)
- Green (57%)
- Blue (96%)



- Red (46%)
- Yellow (55%)
- Blue (96%)



- Cyan (52%)
- Magenta (41%)
- Yellow (0%)
- Black (4%)




- Cyan (54%)
- Magenta (43%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.0631, 0.2193, 0.1981 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 31.0631, 0.2193, 0.1981 by changing the saturation by 10% instead.





 31.0631, 0.2193,  
0.1981


 31.0631, 0.2193,  
0.1981


306.8289, 0.2671,  
0.2615

 20.6469, 0.2076,  
0.1835


 61.3394, 0.2366,  
0.2203

 12.8661, 0.1928,  
0.1656


 81.9683, 0.2432,  
0.2289

 7.3364, 0.1738,  
0.1434


 106.7702, 0.2487,  
0.2363

 3.6734, 0.1490,  
0.1158

136.1295, 0.2535,  
0.2427

 1.4926, 0.1163,  
0.0818

170.4307, 0.2576,  
0.2483

 0.2835, 0.0745,  
0.0302

210.0580, 0.2612,

 0.0000, 0.0000,

0.2532

0.0000

255.3960, 0.2643,  
0.2576

■ 31.0631, 0.2193,  
0.1981

■ 31.0631, 0.2193,  
0.1981

■ 24.1226, 0.2008,  
0.1685

■ 39.4515, 0.2387,  
0.2274

■ 18.5414, 0.1842,  
0.1400

■ 49.3627, 0.2579,  
0.2554

■ 14.2252, 0.1706,  
0.1145

■ 60.8703, 0.2765,  
0.2812

■ 11.0649, 0.1608,  
0.0934

■ 74.0419, 0.2938,  
0.3045

■ 9.2645, 0.1557,  
0.0804

■ 88.9411, 0.3097,  
0.3252

99.4325, 0.3179,  
0.3376

# Harmonies

## Analogous

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



31.0631, 0.1759, 0.2049



31.0631, 0.2193, 0.1981



31.0631, 0.2929, 0.2172

# Triad

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



31.0631, 0.2193, 0.1981



31.0631, 0.4889, 0.3761



31.0631, 0.2332, 0.4171

# Complementary

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



31.0631, 0.2193, 0.1981



71.0645, 0.4026, 0.4312

# 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.



31.0631, 0.3113, 0.4867



31.0631, 0.2193, 0.1981



31.0631, 0.4604, 0.4390

# Square

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



31.0631, 0.2193, 0.1981



31.0631, 0.4618, 0.3136



31.0631, 0.3942, 0.4870



31.0631, 0.1812, 0.3183



# Rectangle

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



31.0631, 0.2193, 0.1981



31.0631, 0.3538, 0.2423



31.0631, 0.3942, 0.4870



31.0631, 0.2572, 0.4467

# Sweetspot

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



31.0642, 0.2193, 0.1981



74.3802, 0.2870, 0.2954



74.7192, 0.2587, 0.3658



15.2899, 0.2834, 0.2906



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.



31.0642, 0.2193, 0.1981



26.1029, 0.2006, 0.1681



26.3154, 0.2363, 0.1723



16.5133, 0.2979, 0.3099



5.1134, 0.1563, 0.0828



0.5951, 0.1625, 0.1049



# Inverse Universe

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



34.6351, 0.4298, 0.2997



31.4412, 0.4676, 0.2962



81.1856, 0.3640, 0.4666



16.5417, 0.3259, 0.3239



10.6156, 0.6026, 0.3093

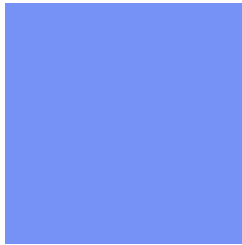


0.9477, 0.5686, 0.2906



# Previews

## White Background



This preview shows how the Yxy color 31.0631, 0.2193, 0.1981 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

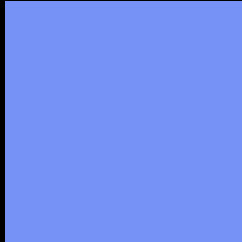
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.0631, 0.2193, 0.1981 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

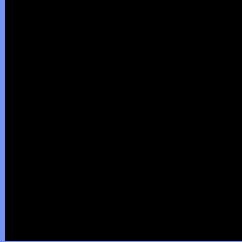
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 31.0631, 0.2193, 0.1981**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.0631, 0.2193, 0.1981.



This preview shows how white text looks on a background with the Yxy color 31.0631, 0.2193, 0.1981.

# 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

31.0631, 0.2193, 0.1981

### Protanopia

30.9623, 0.2152, 0.1973

### Deuteranopia

31.1055, 0.2089, 0.2020



## Tritanopia

30.9254, 0.2485, 0.3073

# Trichromacy



**Original Color**

31.0631, 0.2193, 0.1981

**Protanomaly**

31.1602, 0.2169, 0.1978

**Deuteranomaly**

30.9710, 0.2125, 0.2006

**Tritanomaly**

30.8306, 0.2368, 0.2616

# Monochromacy



**Original Color**

31.0631, 0.2193, 0.1981

**Achromatopsia**

30.0544, 0.3127, 0.3290

**Achromatomaly**

30.0438, 0.2718, 0.2748

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.0631, 0.2193, 0.1981 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, 146, 246)` looks like.

```
.text, #text, p{  
    color:rgb(118, 146, 246)  
}
```

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, 146, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 146, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 31.0631, 0.2193, 0.1981 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, 146, 246) }
```

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

```
.border{ border-color:rgb(118, 146, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 146, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 146, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 146, 246);  
box-shadow:4px 4px 4px 4px rgb(118, 146,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.0631, 0.2193, 0.1981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 146, 246) }
```

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

```
.background{ background-color: rgb(118,  
146, 246) }
```

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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