

Converting Colors

$Y_{xy}(21.2327, 0.1950, 0.1561)$

Have a look what the booklet for
Yxy(21.2327, 0.1950, 0.1561)
contains.

Yxy(21.2327, 0.1950, 0.1561)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2327, 0.1950, 0.1561)

Conversions

Conversions Part 1

Format	Color
Hex	5675F4
RGB	86, 117, 244
RGB Percent	34%, 46%, 96%
CMY	0.6627, 0.5411, 0.0433
CMYK	0.65, 0.52, 0.00, 0.04
HSL	228°, 88%, 65%
HSV	228°, 65%, 96%
XYZ	26.5239, 21.2327, 88.2633
YIQ	122.2090, -59.2430, 32.9250

Conversions

Conversions Part 2

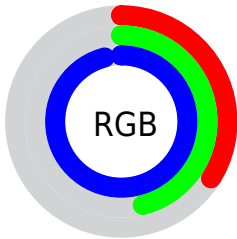
Format	Color
R _Y B	86, 112, 244
Decimal	5666292
CIE Lab	53.20, 28.45, -67.17
CIE LCh	53, 72.943, 292.957
Yxy	21.2327, 0.1950, 0.1561
Android (android.graphics.Color)	4283856372 (0xFF5675F4)
YUV	122.2090, 60.0430, -31.7553
Hunter-Lab	46.0790, 22.1096, -81.3135

Details

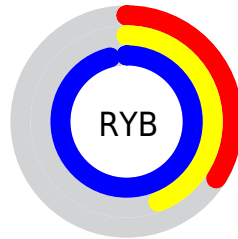
The Yxy color **21.2327, 0.1950, 0.1561** is a light color, and the websafe version is hex **6666CC**. The color can be described as light muted azure. A complement of this color would be **67.4681, 0.4219, 0.4536**, and the grayscale version is **19.3498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0800, 0.2393, 0.2247**, and **7.9682, 0.1663, 0.1188** is the 20% darker color. If you saturate the color by 10%, you get **16.1652, 0.1790, 0.1280**, and if you desaturate by 10%, it is **27.6534, 0.2133, 0.1861**.

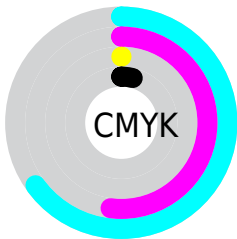
Distribution



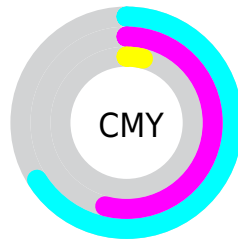
- Red (34%)
- Green (46%)
- Blue (96%)



- Red (34%)
- Yellow (44%)
- Blue (96%)



- Cyan (65%)
- Magenta (52%)
- Yellow (0%)
- Black (4%)





- Cyan (66%)
- Magenta (54%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2327, 0.1950, 0.1561 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 21.2327, 0.1950, 0.1561 by changing the saturation by 10% instead.


 21.2327, 0.1950,
0.1561


 21.2327, 0.1950,
0.1561


258.5126, 0.2573,
0.2396


 13.2942, 0.1796,
0.1376


 45.4745, 0.2178,
0.1850


 7.6314, 0.1603,
0.1156


 62.5466, 0.2263,
0.1963

 3.8600, 0.1360,
0.0897

 83.4320, 0.2336,
0.2061

 1.5956, 0.1055,
0.0603

 108.5151, 0.2397,
0.2146

 0.3546, 0.0692,
0.0234

138.1803, 0.2450,
0.2220

 0.0000, 0.0000,
0.0000

172.8120, 0.2497,

0.2286

212.7947, 0.2537,
0.2344

■ 21.2327, 0.1950,
0.1561

■ 21.2327, 0.1950,
0.1561

■ 16.1652, 0.1790,
0.1280

■ 27.6534, 0.2133,
0.1861

■ 12.3466, 0.1664,
0.1037

■ 35.5166, 0.2328,
0.2164

■ 9.6589, 0.1578,
0.0846

■ 44.9060, 0.2524,
0.2456

■ 8.6348, 0.1547,
0.0769

■ 55.8980, 0.2714,
0.2728

■ 68.5639, 0.2891,
0.2975

■ 82.9705, 0.3055,
0.3195

■ 98.8420, 0.3192,
0.3389

■ 99.3098, 0.3191,
0.3396

Harmonies

Analogous

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



21.2327, 0.1359, 0.1566



21.2327, 0.1950, 0.1561



21.2327, 0.2998, 0.1848

Triad

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



21.2327, 0.1950, 0.1561



21.2327, 0.5560, 0.3874



21.2327, 0.1815, 0.4396

Complementary

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



21.2327, 0.1950, 0.1561



67.4681, 0.4219, 0.4536

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.



21.2327, 0.2799, 0.5650



21.2327, 0.1950, 0.1561



21.2327, 0.4934, 0.4751

Square

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



21.2327, 0.1950, 0.1561



21.2327, 0.5414, 0.3097



21.2327, 0.3921, 0.5572



21.2327, 0.1260, 0.2849

Rectangle

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



21.2327, 0.1950, 0.1561



21.2327, 0.3906, 0.2188



21.2327, 0.3921, 0.5572



21.2327, 0.2106, 0.4927

Sweetspot

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



21.2333, 0.1950, 0.1561



69.5635, 0.2817, 0.2872



71.4338, 0.2488, 0.3695



14.0386, 0.2765, 0.2800



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.



21.2333, 0.1950, 0.1561



16.2740, 0.1742, 0.1192



18.2041, 0.2175, 0.1347



16.4533, 0.2979, 0.3094



4.8463, 0.1553, 0.0790



0.5634, 0.1612, 0.1002

Inverse Universe

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



27.1680, 0.4829, 0.2993



24.9269, 0.5391, 0.3004



77.1683, 0.3678, 0.4985



16.5357, 0.3263, 0.3244



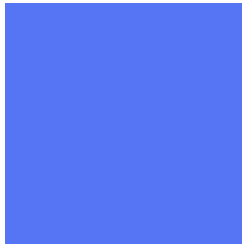
10.5886, 0.6086, 0.3126



0.9445, 0.5755, 0.2944

Previews

White Background



This preview shows how the Yxy color 21.2327, 0.1950, 0.1561 looks on a white background.

Color Contrast Check

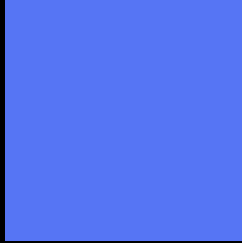
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2327, 0.1950, 0.1561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

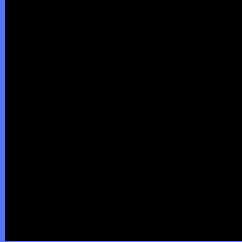
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2327, 0.1950, 0.1561

Background



This preview shows how black text looks on a background with the Yxy color 21.2327, 0.1950, 0.1561.



This preview shows how white text looks on a background with the Yxy color 21.2327, 0.1950, 0.1561.

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

21.2327, 0.1950, 0.1561

Protanopia

21.3165, 0.1810, 0.1535

Deuteranopia

21.1915, 0.1834, 0.1801



Tritanopia

21.1847, 0.2221, 0.3067

Trichromacy



Original Color

21.2327, 0.1950, 0.1561

Protanomaly

21.1090, 0.1849, 0.1538

Deuteranomaly

20.8417, 0.1832, 0.1689

Tritanomaly

20.6096, 0.2073, 0.2350

Monochromacy



Original Color

21.2327, 0.1950, 0.1561

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.4373, 0.2548, 0.2488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2327, 0.1950, 0.1561 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(86, 117, 244)` looks like.

```
.text, #text, p{  
    color:rgb(86, 117, 244)  
}
```

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(86, 117, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 117, 244) }
```

Border

The CSS property to change the border of an element to Yxy 21.2327, 0.1950, 0.1561 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(86, 117, 244) }
```

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

```
.border{ border-color:rgb(86, 117, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 117, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 117, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 117, 244);  
box-shadow:4px 4px 4px 4px rgb(86, 117,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2327, 0.1950, 0.1561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 117, 244) }
```

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

```
.background{ background-color: rgb(86, 117,  
244) }
```

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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