

Converting Colors

$Y_{xy}(24.8006, 0.1967, 0.1740)$

Have a look what the booklet for
Yxy(24.8006, 0.1967, 0.1740)
contains.

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Color

Yxy(24.8006, 0.1967, 0.1740)

Conversions

Conversions Part 1

Format	Color
Hex	5084F5
RGB	80, 132, 245
RGB Percent	31%, 52%, 96%
CMY	0.6865, 0.4823, 0.0392
CMYK	0.67, 0.46, 0.00, 0.04
HSL	221°, 89%, 64%
HSV	221°, 67%, 96%
XYZ	28.0361, 24.8006, 89.6955
YIQ	129.3340, -67.2650, 24.1190

Conversions

Conversions Part 2

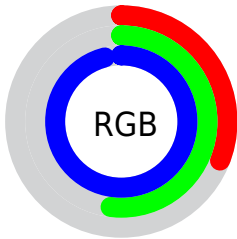
Format	Color
R _Y B	80, 120, 245
Decimal	5276917
CIE Lab	56.88, 18.69, -61.83
CIE LCh	57, 64.593, 286.823
Yxy	24.8006, 0.1967, 0.1740
Android (android.graphics.Color)	4283466997 (0xFF5084F5)
YUV	129.3340, 57.0233, -43.2659
Hunter-Lab	49.8002, 13.3400, -71.9275

Details

The Yxy color **24.8006, 0.1967, 0.1740** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **58.0949, 0.4406, 0.4402**, and the grayscale version is **21.8855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9377, 0.2397, 0.2441**, and **9.8174, 0.1719, 0.1386** is the 20% darker color. If you saturate the color by 10%, you get **19.7342, 0.1824, 0.1485**, and if you desaturate by 10%, it is **30.9881, 0.2132, 0.2005**.

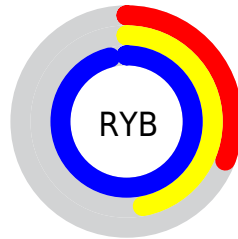
Distribution



Red (31%)

Green (52%)

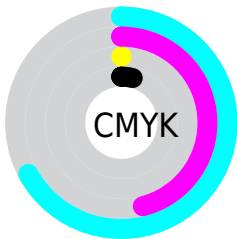
Blue (96%)



Red (31%)

Yellow (47%)

Blue (96%)

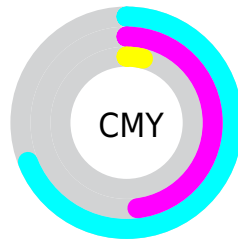


Cyan (67%)

Magenta (46%)

Yellow (0%)

Black (4%)



Cyan (69%)


Magenta (48%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8006, 0.1967, 0.1740 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 24.8006, 0.1967, 0.1740 by changing the saturation by 10% instead.


 24.8006, 0.1967,
0.1740


 24.8006, 0.1967,
0.1740


276.8435, 0.2567,
0.2496

 15.9286, 0.1821,
0.1568


 51.3336, 0.2184,
0.2004


 9.4736, 0.1638,
0.1361


 69.7633, 0.2267,
0.2107

 5.0514, 0.1408,
0.1110


 92.1476, 0.2336,
0.2195

 2.2774, 0.1118,
0.0811

 118.8711, 0.2396,
0.2272

 0.7617, 0.0761,
0.0472

150.3180, 0.2447,
0.2338

 0.0000, 0.0156,
0.0000

186.8728, 0.2492,

 0.0000, 0.0000,

0.2397

0.0000

228.9198, 0.2532,
0.2449

■ 24.8006, 0.1967,
0.1740

■ 24.8006, 0.1967,
0.1740

■ 19.7342, 0.1824,
0.1485

■ 30.9881, 0.2132,
0.2005

■ 15.7072, 0.1710,
0.1252

■ 38.3648, 0.2310,
0.2268

■ 12.6241, 0.1630,
0.1052

■ 46.9956, 0.2493,
0.2520

■ 11.9426, 0.1613,
0.1005

■ 56.9394, 0.2674,
0.2755

■ 68.2513, 0.2849,
0.2970

■ 80.9829, 0.3013,
0.3162

■ 95.1831, 0.3166,
0.3333

■ 99.3726, 0.3185,
0.3386

Harmonies

Analogous

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



24.8006, 0.1496, 0.1818



24.8006, 0.1967, 0.1740



24.8006, 0.2815, 0.1948

Triad

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



24.8006, 0.1967, 0.1740



24.8006, 0.5270, 0.3736



24.8006, 0.2175, 0.4473

Complementary

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



24.8006, 0.1967, 0.1740



58.0949, 0.4406, 0.4402

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.



24.8006, 0.3105, 0.5318



24.8006, 0.1967, 0.1740



24.8006, 0.4898, 0.4492

Square

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



24.8006, 0.1967, 0.1740



24.8006, 0.4936, 0.3029



24.8006, 0.4090, 0.5172



24.8006, 0.1567, 0.3182

Rectangle

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



24.8006, 0.1967, 0.1740



24.8006, 0.3558, 0.2227



24.8006, 0.4090, 0.5172



24.8006, 0.2461, 0.4855

Sweetspot

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



24.8014, 0.1967, 0.1740



71.2917, 0.2803, 0.2914



70.8459, 0.2560, 0.3981



14.5041, 0.2754, 0.2855



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.



24.8014, 0.1967, 0.1740



19.8084, 0.1777, 0.1393



15.6475, 0.1992, 0.1208



16.7799, 0.2980, 0.3123



6.6521, 0.1621, 0.1034



0.7613, 0.1689, 0.1279

Inverse Universe

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



26.8063, 0.4648, 0.2788



24.6172, 0.5144, 0.2794



80.2909, 0.3827, 0.4952



16.5687, 0.3244, 0.3216



10.7709, 0.5708, 0.2918



0.9645, 0.5355, 0.2724

Previews

White Background



This preview shows how the Yxy color 24.8006, 0.1967, 0.1740 looks on a white background.

Color Contrast Check

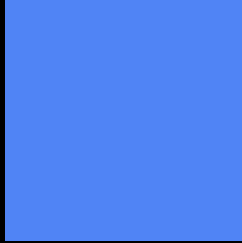
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8006, 0.1967, 0.1740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

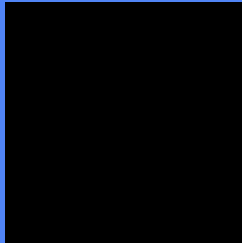
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

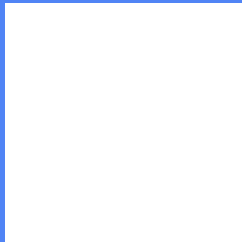
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.8006, 0.1967, 0.1740

Background



This preview shows how black text looks on a background with the Yxy color 24.8006, 0.1967, 0.1740.



This preview shows how white text looks on a background with the Yxy color 24.8006, 0.1967, 0.1740.

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

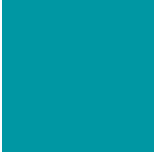
24.8006, 0.1967, 0.1740

Protanopia

24.8444, 0.1971, 0.1741

Deuteranopia

24.9028, 0.1846, 0.1782



Tritanopia

24.7776, 0.2184, 0.3061

Trichromacy



Original Color

24.8006, 0.1967, 0.1740

Protanomaly

24.8444, 0.1971, 0.1741

Deuteranomaly

24.6754, 0.1872, 0.1765

Tritanomaly

24.0580, 0.2047, 0.2450

Monochromacy



Original Color

24.8006, 0.1967, 0.1740

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.2850, 0.2550, 0.2596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8006, 0.1967, 0.1740 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(80, 132, 245)` looks like.

```
.text, #text, p{  
    color:rgb(80, 132, 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(80, 132, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 132, 245) }
```

Border

The CSS property to change the border of an element to Yxy 24.8006, 0.1967, 0.1740 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(80, 132, 245) }
```

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

```
.border{ border-color:rgb(80, 132, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 132, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 132, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 132, 245);  
box-shadow:4px 4px 4px 4px rgb(80, 132,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8006, 0.1967, 0.1740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 132, 245) }
```

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

```
.background{ background-color: rgb(80, 132,  
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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