

# Converting Colors

$Y_{xy}(24.3177, 0.1990, 0.1771)$

Have a look what the booklet for  
Yxy(24.3177, 0.1990, 0.1771)  
contains.

<b>Yxy(24.3177, 0.1990, 0.1771)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(24.3177, 0.1990, 0.1771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5283F0
RGB	82, 131, 240
RGB Percent	32%, 51%, 94%
CMY	0.6781, 0.4863, 0.0589
CMYK	0.66, 0.45, 0.00, 0.06
HSL	221°, 84%, 63%
HSV	221°, 66%, 94%
XYZ	27.3248, 24.3177, 85.6681
YIQ	128.7750, -64.1930, 23.5110

# Conversions

## Conversions Part 2

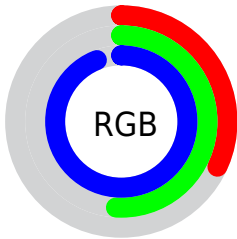
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	82, 119, 240
Decimal	5407728
CIE Lab	56.40, 17.91, -59.80
CIE LCh	56, 62.425, 286.671
Yxy	24.3177, 0.1990, 0.1771
Android (android.graphics.Color)	4283597808 (0xFF5283F0)
YUV	128.7750, 54.8339, -41.0217
Hunter-Lab	49.3130, 12.6109, -68.4814

# Details

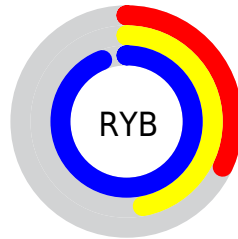
The Yxy color **24.3177, 0.1990, 0.1771** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **56.4133, 0.4367, 0.4392**, and the grayscale version is **21.6983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6120, 0.2401, 0.2429**, and **9.4535, 0.1725, 0.1410** is the 20% darker color. If you saturate the color by 10%, you get **19.3244, 0.1842, 0.1512**, and if you desaturate by 10%, it is **30.3997, 0.2158, 0.2038**.

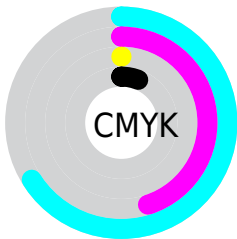
# Distribution



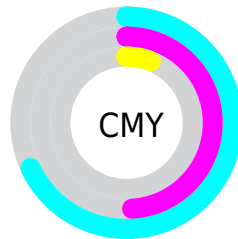
- Red (32%)
- Green (51%)
- Blue (94%)



- Red (32%)
- Yellow (47%)
- Blue (94%)



- Cyan (66%)
- Magenta (45%)
- Yellow (0%)
- Black (6%)




- Cyan (68%)
- Magenta (49%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3177, 0.1990, 0.1771 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 24.3177, 0.1990, 0.1771 by changing the saturation by 10% instead.





 24.3177, 0.1990,  
0.1771


 24.3177, 0.1990,  
0.1771


274.4228, 0.2582,  
0.2518


 15.5695, 0.1844,  
0.1599


 50.5481, 0.2206,  
0.2034

 9.2200, 0.1661,  
0.1390


 68.7991, 0.2287,  
0.2135

 4.8850, 0.1430,  
0.1136


 90.9865, 0.2355,  
0.2222

 2.1799, 0.1135,  
0.0831

 117.4946, 0.2414,  
0.2298

 0.7090, 0.0769,  
0.0478

148.7079, 0.2465,  
0.2363

 0.0000, 0.0080,  
0.0000

185.0108, 0.2509,

 0.0000, 0.0000,

0.2421

0.0000

226.7876, 0.2547,  
0.2472

■ 24.3177, 0.1990,  
0.1771

■ 24.3177, 0.1990,  
0.1771

■ 19.3244, 0.1842,  
0.1512

■ 30.3997, 0.2158,  
0.2038

■ 15.3426, 0.1723,  
0.1275

■ 37.6349, 0.2338,  
0.2301

■ 12.2858, 0.1638,  
0.1069

■ 46.0848, 0.2522,  
0.2553

■ 11.2341, 0.1609,  
0.0994

■ 55.8055, 0.2702,  
0.2787

■ 66.8496, 0.2876,  
0.2999

■ 79.2663, 0.3038,  
0.3190

■ 93.1023, 0.3189,  
0.3358

■ 99.0695, 0.3215,  
0.3435

# Harmonies

## Analogous

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



24.3177, 0.1527, 0.1851



24.3177, 0.1990, 0.1771



24.3177, 0.2820, 0.1974

# Triad

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



24.3177, 0.1990, 0.1771



24.3177, 0.5219, 0.3734



24.3177, 0.2206, 0.4443

# Complementary

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



24.3177, 0.1990, 0.1771



56.4133, 0.4367, 0.4392

# 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.



24.3177, 0.3119, 0.5259



24.3177, 0.1990, 0.1771



24.3177, 0.4867, 0.4473

# Square

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



24.3177, 0.1990, 0.1771



24.3177, 0.4885, 0.3037



24.3177, 0.4082, 0.5128



24.3177, 0.1604, 0.3195



# Rectangle

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



24.3177, 0.1990, 0.1771



24.3177, 0.3543, 0.2248



24.3177, 0.4082, 0.5128



24.3177, 0.2487, 0.4811

# Sweetspot

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



24.3184, 0.1990, 0.1771



71.1397, 0.2803, 0.2911



67.8163, 0.2566, 0.3961



14.4680, 0.2754, 0.2851



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.



24.3184, 0.1990, 0.1771



20.4749, 0.1798, 0.1427



15.7164, 0.2022, 0.1256



16.0276, 0.2980, 0.3122



6.3589, 0.1617, 0.1021



0.6993, 0.1689, 0.1280



# Inverse Universe

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



26.2046, 0.4603, 0.2802



25.1168, 0.5090, 0.2798



76.7653, 0.3817, 0.4921



15.8395, 0.3244, 0.3217



10.4353, 0.5726, 0.2928



0.8853, 0.5354, 0.2723



# Previews

## White Background



This preview shows how the Yxy color 24.3177, 0.1990, 0.1771 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

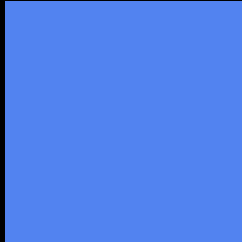
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.3177, 0.1990, 0.1771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

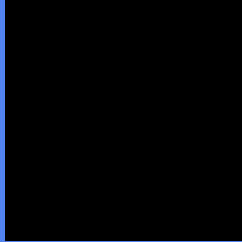
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

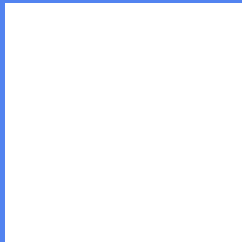
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 24.3177, 0.1990, 0.1771**

## **Background**



This preview shows how black text looks on a background with the Yxy color 24.3177, 0.1990, 0.1771.



This preview shows how white text looks on a background with the Yxy color 24.3177, 0.1990, 0.1771.

# 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

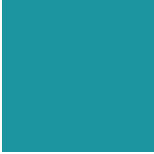
24.3177, 0.1990, 0.1771

### Protanopia

24.3629, 0.1994, 0.1772

### Deuteranopia

24.5547, 0.1879, 0.1819



## Tritanopia

24.3150, 0.2223, 0.3060

# Trichromacy



## Original Color

24.3177, 0.1990, 0.1771

## Protanomaly

24.3629, 0.1994, 0.1772

## Deuteranomaly

24.3722, 0.1910, 0.1803

## Tritanomaly

23.6921, 0.2100, 0.2465

# Monochromacy



## Original Color

24.3177, 0.1990, 0.1771

## Achromatopsia

21.9526, 0.3127, 0.3290

## Achromatomaly

22.2746, 0.2574, 0.2627

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.3177, 0.1990, 0.1771 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(82, 131, 240)` looks like.

```
.text, #text, p{  
    color:rgb(82, 131, 240)  
}
```

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(82, 131, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 131, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 24.3177, 0.1990, 0.1771 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(82, 131, 240) }
```

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

```
.border{ border-color:rgb(82, 131, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 131, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 131, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 131, 240);  
box-shadow:4px 4px 4px 4px rgb(82, 131,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.3177, 0.1990, 0.1771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 131, 240) }
```

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

```
.background{ background-color: rgb(82, 131,  
240) }
```

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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