

Converting Colors

$Y_{xy}(25.6690, 0.2004, 0.1777)$

Have a look what the booklet for
Yxy(25.6690, 0.2004, 0.1777)
contains.

Yxy(25.6690, 0.2004, 0.1777)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.6690, 0.2004, 0.1777)

Conversions

Conversions Part 1

Format	Color
Hex	5786F5
RGB	87, 134, 245
RGB Percent	34%, 53%, 96%
CMY	0.6583, 0.4746, 0.0391
CMYK	0.64, 0.45, 0.00, 0.04
HSL	222°, 89%, 65%
HSV	222°, 64%, 96%
XYZ	28.9480, 25.6690, 89.8343
YIQ	132.6010, -63.6430, 24.5570

Conversions

Conversions Part 2

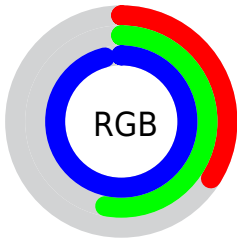
Format	Color
R _Y B	87, 123, 245
Decimal	5736181
CIE Lab	57.72, 18.64, -60.48
CIE LCh	58, 63.283, 287.131
Yxy	25.6690, 0.2004, 0.1777
Android (android.graphics.Color)	4283926261 (0xFF5786F5)
YUV	132.6010, 55.4127, -39.9921
Hunter-Lab	50.6646, 13.3259, -69.6629

Details

The Yxy color **25.6690, 0.2004, 0.1777** 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 **60.5754, 0.4327, 0.4396**, and the grayscale version is **23.1256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2447, 0.2430, 0.2472**, and **10.1278, 0.1728, 0.1420** is the 20% darker color. If you saturate the color by 10%, you get **20.3013, 0.1852, 0.1513**, and if you desaturate by 10%, it is **32.2147, 0.2176, 0.2049**.

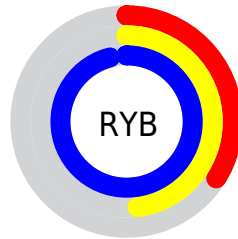
Distribution



Red (34%)

Green (53%)

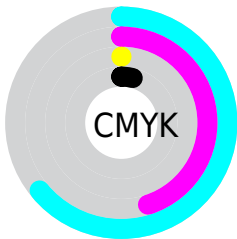
Blue (96%)



Red (34%)

Yellow (48%)

Blue (96%)

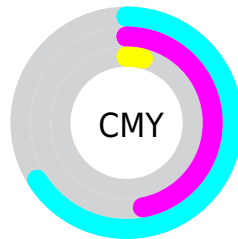


Cyan (64%)

Magenta (45%)

Yellow (0%)

Black (4%)



Cyan (66%)


Magenta (47%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6690, 0.2004, 0.1777 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 25.6690, 0.2004, 0.1777 by changing the saturation by 10% instead.


 25.6690, 0.2004,
0.1777


 25.6690, 0.2004,
0.1777


281.1534, 0.2584,
0.2514


 16.5762, 0.1862,
0.1609


 52.7405, 0.2214,
0.2035


 9.9328, 0.1685,
0.1405


 71.4879, 0.2294,
0.2135

 5.3544, 0.1461,
0.1158


 94.2224, 0.2361,
0.2221

 2.4567, 0.1176,
0.0861

 121.3282, 0.2419,
0.2296

 0.8548, 0.0820,
0.0522

153.1898, 0.2469,
0.2361

 0.0000, 0.0259,
0.0000

190.1917, 0.2512,

 0.0000, 0.0000,

0.2418

0.0000

232.7181, 0.2550,
0.2469

■ 25.6690, 0.2004,
0.1777

■ 25.6690, 0.2004,
0.1777

■ 20.3013, 0.1852,
0.1513

■ 32.2147, 0.2176,
0.2049

■ 16.0292, 0.1728,
0.1270

■ 40.0074, 0.2359,
0.2316

■ 12.7610, 0.1638,
0.1061

■ 49.1132, 0.2544,
0.2571

■ 11.3199, 0.1600,
0.0961

■ 59.5924, 0.2725,
0.2807

■ 71.5014, 0.2898,
0.3021

■ 84.8932, 0.3059,
0.3212

■ 99.1207, 0.3185,
0.3382

■ 99.3741, 0.3185,
0.3386

Harmonies

Analogous

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



25.6690, 0.1537, 0.1853



25.6690, 0.2004, 0.1777



25.6690, 0.2837, 0.1983

Triad

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



25.6690, 0.2004, 0.1777



25.6690, 0.5211, 0.3745



25.6690, 0.2198, 0.4420

Complementary

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



25.6690, 0.2004, 0.1777



60.5754, 0.4327, 0.4396

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.



25.6690, 0.3105, 0.5244



25.6690, 0.2004, 0.1777



25.6690, 0.4853, 0.4482

Square

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



25.6690, 0.2004, 0.1777



25.6690, 0.4888, 0.3049



25.6690, 0.4066, 0.5129



25.6690, 0.1604, 0.3179

Rectangle

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



25.6690, 0.2004, 0.1777



25.6690, 0.3559, 0.2259



25.6690, 0.4066, 0.5129



25.6690, 0.2477, 0.4788

Sweetspot

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



25.6698, 0.2004, 0.1777



72.0942, 0.2820, 0.2925



71.4134, 0.2559, 0.3909



14.6413, 0.2770, 0.2863



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.



25.6698, 0.2004, 0.1777



20.8404, 0.1815, 0.1444



17.3320, 0.2064, 0.1302



16.7280, 0.2980, 0.3119



6.3060, 0.1608, 0.0989



0.7256, 0.1676, 0.1232

Inverse Universe

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



27.9743, 0.4588, 0.2828



25.6343, 0.5057, 0.2818



80.2227, 0.3791, 0.4908



16.5634, 0.3247, 0.3220



10.7360, 0.5776, 0.2955



0.9609, 0.5422, 0.2760

Previews

White Background



This preview shows how the Yxy color 25.6690, 0.2004, 0.1777 looks on a white background.

Color Contrast Check

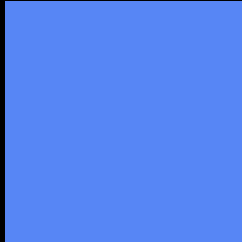
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6690, 0.2004, 0.1777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

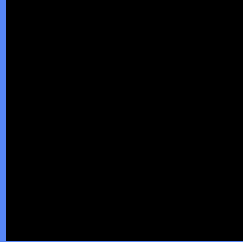
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

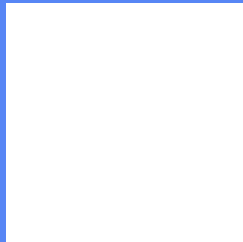
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.6690, 0.2004, 0.1777

Background



This preview shows how black text looks on a background with the Yxy color 25.6690, 0.2004, 0.1777.



This preview shows how white text looks on a background with the Yxy color 25.6690, 0.2004, 0.1777.

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

25.6690, 0.2004, 0.1777

Protanopia

25.6212, 0.1999, 0.1776

Deuteranopia

25.8233, 0.1887, 0.1822



Tritanopia

25.6044, 0.2245, 0.3048

Trichromacy



Original Color

25.6690, 0.2004, 0.1777

Protanomaly

25.6212, 0.1999, 0.1776

Deuteranomaly

25.6693, 0.1920, 0.1807

Tritanomaly

25.0157, 0.2127, 0.2470

Monochromacy



Original Color

25.6690, 0.2004, 0.1777

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.5441, 0.2577, 0.2612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6690, 0.2004, 0.1777 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(87, 134, 245)` looks like.

```
.text, #text, p{  
    color:rgb(87, 134, 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(87, 134, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 134, 245) }
```

Border

The CSS property to change the border of an element to Yxy 25.6690, 0.2004, 0.1777 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(87, 134, 245) }
```

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

```
.border{ border-color:rgb(87, 134, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 134, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 134, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 134, 245);  
box-shadow:4px 4px 4px 4px rgb(87, 134,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6690, 0.2004, 0.1777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 134, 245) }
```

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

```
.background{ background-color: rgb(87, 134,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor