

Converting Colors

$Y_{xy}(25.7934, 0.2048, 0.1675)$

Have a look what the booklet for
Yxy(25.7934, 0.2048, 0.1675)
contains.

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Color

Yxy(25.8565, 0.2052, 0.1683)

Conversions

Conversions Part 1

Format	Color
Hex	6A81FD
RGB	106, 129, 253
RGB Percent	42%, 51%, 99%
CMY	0.5842, 0.4941, 0.0079
CMYK	0.58, 0.49, 0.00, 0.01
HSL	231°, 97%, 70%
HSV	231°, 58%, 99%
XYZ	31.5256, 25.8565, 96.2513
YIQ	136.2590, -53.5120, 33.6880

Conversions

Conversions Part 2

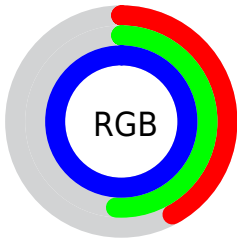
Format	Color
R _Y B	106, 126, 253
Decimal	6980093
CIE Lab	57.90, 27.57, -64.53
CIE LCh	58, 70.174, 293.135
Yxy	25.8565, 0.2052, 0.1683
Android (android.graphics.Color)	4285170173 (0xFF6A81FD)
YUV	136.2590, 57.5533, -26.5371
Hunter-Lab	50.8493, 21.6803, -76.6340

Details

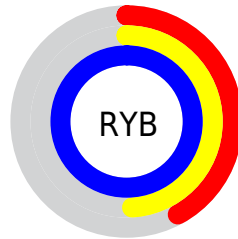
The Yxy color **25.8565, 0.2052, 0.1683** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **78.5371, 0.4081, 0.4488**, and the grayscale version is **24.5211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8914, 0.2523, 0.2433**, and **9.9688, 0.1745, 0.1310** is the 20% darker color. If you saturate the color by 10%, you get **19.4803, 0.1872, 0.1380**, and if you desaturate by 10%, it is **33.8660, 0.2249, 0.1999**.

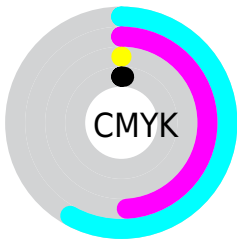
Distribution



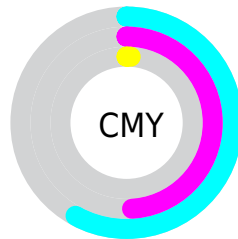
- Red (42%)
- Green (51%)
- Blue (99%)



- Red (42%)
- Yellow (49%)
- Blue (99%)



- Cyan (58%)
- Magenta (49%)
- Yellow (0%)
- Black (1%)



- Cyan (58%)
- Magenta (49%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8565, 0.2052, 0.1683 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 25.8565, 0.2052, 0.1683 by changing the saturation by 10% instead.


 25.8565, 0.2052,
0.1683


 25.8565, 0.2052,
0.1683


282.0769, 0.2610,
0.2448


 16.7163, 0.1915,
0.1514


 53.0434, 0.2255,
0.1947

 10.0324, 0.1745,
0.1311


 71.8588, 0.2331,
0.2050

 5.4205, 0.1528,
0.1069


 94.6682, 0.2396,
0.2140

 2.4960, 0.1253,
0.0785

121.8558, 0.2452,
0.2218

 0.8746, 0.0908,
0.0469

153.8061, 0.2499,
0.2286

 0.0000, 0.0457,
0.0000

190.9034, 0.2541,

 0.0000, 0.0000,

0.2347

0.0000

233.5323, 0.2578,
0.2400

■ 25.8565, 0.2052,
0.1683

■ 25.8565, 0.2052,
0.1683

■ 19.4803, 0.1872,
0.1380

■ 33.8660, 0.2249,
0.1999

■ 14.6199, 0.1720,
0.1109

■ 43.6103, 0.2450,
0.2310

■ 11.1448, 0.1608,
0.0889

■ 55.1852, 0.2647,
0.2604

■ 8.8948, 0.1541,
0.0734

■ 68.6789, 0.2832,
0.2874

■ 8.5769, 0.1531,
0.0711

■ 84.1736, 0.3002,
0.3116

99.8714, 0.3139,
0.3309

Harmonies

Analogous

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



25.8565, 0.1485, 0.1693



25.8565, 0.2052, 0.1683



25.8565, 0.3027, 0.1957

Triad

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



25.8565, 0.2052, 0.1683



25.8565, 0.5367, 0.3891



25.8565, 0.1936, 0.4272

Complementary

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



25.8565, 0.2052, 0.1683



78.5371, 0.4081, 0.4488

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.



25.8565, 0.2859, 0.5382



25.8565, 0.2052, 0.1683



25.8565, 0.4827, 0.4697

Square

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



25.8565, 0.2052, 0.1683



25.8565, 0.5203, 0.3148



25.8565, 0.3905, 0.5390



25.8565, 0.1400, 0.2906

Rectangle

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



25.8565, 0.2052, 0.1683



25.8565, 0.3847, 0.2280



25.8565, 0.3905, 0.5390



25.8565, 0.2211, 0.4733

Sweetspot

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



25.8573, 0.2052, 0.1683



71.5269, 0.2851, 0.2901



78.9420, 0.2505, 0.3585



14.6748, 0.2815, 0.2850



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.



25.8573, 0.2052, 0.1683



18.7551, 0.1839, 0.1324



24.3786, 0.2326, 0.1558



17.8358, 0.2979, 0.3083



4.6949, 0.1536, 0.0729



0.5835, 0.1584, 0.0900

Inverse Universe

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



32.7824, 0.4643, 0.3067



27.5053, 0.5156, 0.3058



84.1262, 0.3613, 0.4853



18.0333, 0.3270, 0.3253



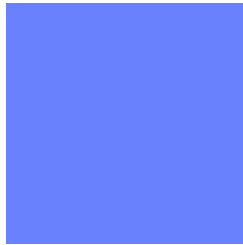
11.2019, 0.6185, 0.3181



1.1034, 0.5911, 0.3030

Previews

White Background



This preview shows how the Yxy color 25.8565, 0.2052, 0.1683 looks on a white background.

Color Contrast Check

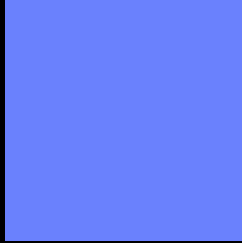
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8565, 0.2052, 0.1683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

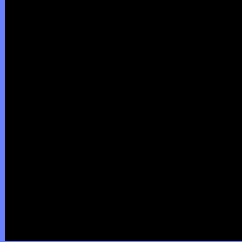
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8565, 0.2052, 0.1683

Background



This preview shows how black text looks on a background with the Yxy color 25.8565, 0.2052, 0.1683.



This preview shows how white text looks on a background with the Yxy color 25.8565, 0.2052, 0.1683.

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

25.8565, 0.2052, 0.1683

Protanopia

25.8480, 0.1930, 0.1684

Deuteranopia

25.9712, 0.1826, 0.1769



Tritanopia

25.7222, 0.2370, 0.3053

Trichromacy



Original Color

25.8565, 0.2052, 0.1683

Protanomaly

25.7330, 0.1971, 0.1681

Deuteranomaly

25.3075, 0.1849, 0.1719

Tritanomaly

25.1254, 0.2221, 0.2414

Monochromacy



Original Color

25.8565, 0.2052, 0.1683

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.3897, 0.2618, 0.2556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8565, 0.2052, 0.1683 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(106, 129, 253)` looks like.

```
.text, #text, p{  
    color:rgb(106, 129, 253)  
}
```

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(106, 129, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 129, 253) }
```

Border

The CSS property to change the border of an element to Yxy 25.8565, 0.2052, 0.1683 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(106, 129, 253) }
```

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

```
.border{ border-color:rgb(106, 129, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 129, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 129, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 129, 253);  
box-shadow:4px 4px 4px 4px rgb(106, 129,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8565, 0.2052, 0.1683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 129, 253) }
```

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

```
.background{ background-color: rgb(106,  
129, 253) }
```

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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