

Converting Colors

$Y_{xy}(25.4916, 0.2145, 0.2176)$

Have a look what the booklet for
Yxy(25.4916, 0.2145, 0.2176)
contains.

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Color

Yxy(25.4916, 0.2145, 0.2176)

Conversions

Conversions Part 1

Format	Color
Hex	558CD5
RGB	85, 140, 213
RGB Percent	33%, 55%, 84%
CMY	0.6668, 0.4509, 0.1648
CMYK	0.60, 0.34, 0.00, 0.16
HSL	214°, 60%, 58%
HSV	214°, 60%, 84%
XYZ	25.1284, 25.4916, 66.5289
YIQ	131.8770, -56.2130, 11.0430

Conversions

Conversions Part 2

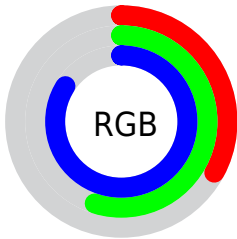
Format	Color
R _Y B	85, 123, 213
Decimal	5606613
CIE Lab	57.55, 3.88, -42.90
CIE LCh	58, 43.074, 275.162
Yxy	25.4916, 0.2145, 0.2176
Android (android.graphics.Color)	4283796693 (0xFF558CD5)
YUV	131.8770, 39.9936, -41.1111
Hunter-Lab	50.4892, 0.4832, -42.7831

Details

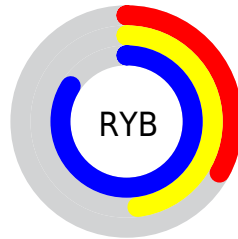
The Yxy color **25.4916, 0.2145, 0.2176** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **39.2217, 0.4369, 0.4151**, and the grayscale version is **22.8933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2892, 0.2409, 0.2541**, and **9.7810, 0.1843, 0.1834** is the 20% darker color. If you saturate the color by 10%, you get **21.2877, 0.2001, 0.1953**, and if you desaturate by 10%, it is **30.3884, 0.2304, 0.2395**.

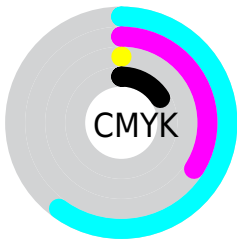
Distribution



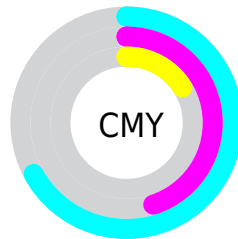
- Red (33%)
- Green (55%)
- Blue (84%)



- Red (33%)
- Yellow (48%)
- Blue (84%)



- Cyan (60%)
- Magenta (34%)
- Yellow (0%)
- Black (16%)



- Cyan (67%)
- Magenta (45%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4916, 0.2145, 0.2176 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 25.4916, 0.2145, 0.2176 by changing the saturation by 10% instead.

■ 25.4916, 0.2145,
0.2176

■ 25.4916, 0.2145,
0.2176

280.2774, 0.2661,
0.2754

■ 16.4437, 0.2013,
0.2030

■ 52.4536, 0.2336,
0.2388

■ 9.8387, 0.1843,
0.1845

■ 71.1365, 0.2407,
0.2467

■ 5.2921, 0.1621,
0.1604

■ 93.7999, 0.2466,
0.2534

■ 2.4197, 0.1322,
0.1285

■ 120.8281, 0.2517,
0.2591

■ 0.8360, 0.0922,
0.0866

152.6056, 0.2560,
0.2640

■ 0.0000, 0.0000,
0.0000

189.5167, 0.2598,

0.2683

231.9458, 0.2631,
0.2720

■ 25.4916, 0.2145,
0.2176

■ 25.4916, 0.2145,
0.2176

■ 21.2877, 0.2001,
0.1953

■ 30.3884, 0.2304,
0.2395

■ 17.7335, 0.1877,
0.1734

■ 36.0119, 0.2471,
0.2605

■ 14.7836, 0.1778,
0.1526

■ 42.3965, 0.2641,
0.2801

■ 12.3877, 0.1705,
0.1337

■ 49.5733, 0.2809,
0.2980

■ 57.5713, 0.2971,
0.3143

■ 66.4181, 0.3126,
0.3289

■ 76.1398, 0.3271,
0.3417

■ 86.6979, 0.3403,
0.3531

■ 93.9705, 0.3385,
0.3647

Harmonies

Analogous

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



25.4916, 0.1882, 0.2361



25.4916, 0.2145, 0.2176



25.4916, 0.2670, 0.2241

Triad

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



25.4916, 0.2145, 0.2176



25.4916, 0.4542, 0.3484



25.4916, 0.2753, 0.4298

Complementary

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



25.4916, 0.2145, 0.2176



39.2217, 0.4369, 0.4151

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.



25.4916, 0.3455, 0.4641



25.4916, 0.2145, 0.2176



25.4916, 0.4521, 0.4027

Square

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



25.4916, 0.2145, 0.2176



25.4916, 0.4111, 0.2956



25.4916, 0.4105, 0.4481



25.4916, 0.2190, 0.3564

Rectangle

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



25.4916, 0.2145, 0.2176



25.4916, 0.3138, 0.2405



25.4916, 0.4105, 0.4481



25.4916, 0.2980, 0.4471

Sweetspot

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



25.4925, 0.2145, 0.2176



76.7407, 0.2841, 0.3013



51.9560, 0.2671, 0.4124



15.7048, 0.2792, 0.2963



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.



25.4925, 0.2145, 0.2176



30.5041, 0.1966, 0.1895



13.6454, 0.2022, 0.1393



12.8783, 0.2982, 0.3154



7.7631, 0.1712, 0.1363



0.6308, 0.1806, 0.1702

Inverse Universe

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



22.5260, 0.4155, 0.2643



28.0313, 0.4504, 0.2574



61.1301, 0.3902, 0.4728



12.5086, 0.3224, 0.3190



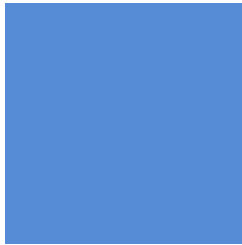
9.1285, 0.5241, 0.2661



0.5670, 0.4804, 0.2420

Previews

White Background



This preview shows how the Yxy color 25.4916, 0.2145, 0.2176 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 25.4916, 0.2145, 0.2176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

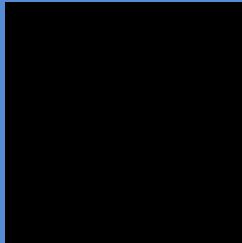
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

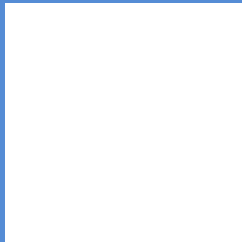
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.4916, 0.2145, 0.2176

Background



This preview shows how black text looks on a background with the Yxy color 25.4916, 0.2145, 0.2176.

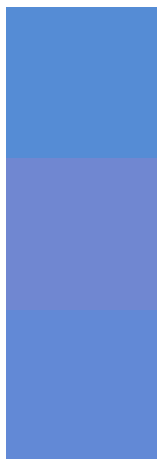


This preview shows how white text looks on a background with the Yxy color 25.4916, 0.2145, 0.2176.

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

25.4916, 0.2145, 0.2176

Protanopia

25.3761, 0.2314, 0.2187

Deuteranopia

25.3430, 0.2202, 0.2137



Tritanopia

25.4455, 0.2341, 0.3068

Trichromacy



Original Color

25.4916, 0.2145, 0.2176

Protanomaly

25.3692, 0.2248, 0.2188

Deuteranomaly

25.3592, 0.2177, 0.2144

Tritanomaly

25.1961, 0.2254, 0.2686

Monochromacy



Original Color

25.4916, 0.2145, 0.2176

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.5460, 0.2677, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4916, 0.2145, 0.2176 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(85, 140, 213)` looks like.

```
.text, #text, p{  
    color:rgb(85, 140, 213)  
}
```

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(85, 140, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 140, 213) }
```

Border

The CSS property to change the border of an element to Yxy 25.4916, 0.2145, 0.2176 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(85, 140, 213) }
```

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

```
.border{ border-color:rgb(85, 140, 213) }
```

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

Here you see how a box with a 4 pixel rgb(85, 140, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 140, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 140, 213);  
box-shadow:4px 4px 4px 4px rgb(85, 140,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4916, 0.2145, 0.2176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 140, 213) }
```

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

```
.background{ background-color: rgb(85, 140,  
213) }
```

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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