

Converting Colors

$Y_{xy}(25.8917, 0.2184, 0.2317)$

Have a look what the booklet for
Yxy(25.8917, 0.2184, 0.2317)
contains.

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Color

Yxy(25.8917, 0.2184, 0.2317)

Conversions

Conversions Part 1

Format	Color
Hex	538FCD
RGB	83, 143, 205
RGB Percent	33%, 56%, 80%
CMY	0.6745, 0.4392, 0.1962
CMYK	0.60, 0.30, 0.00, 0.20
HSL	210°, 55%, 56%
HSV	210°, 60%, 80%
XYZ	24.4055, 25.8917, 61.4495
YIQ	132.1280, -55.6620, 6.5620

Conversions

Conversions Part 2

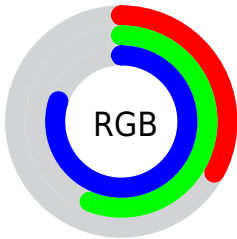
Format	Color
R_{YB}	83, 123, 205
Decimal	5476301
CIE _{Lab}	57.93, -0.88, -37.81
CIE _{LCh}	58, 37.816, 268.663
Yxy	25.8917, 0.2184, 0.2317
Android (android.graphics.Color)	4283666381 (0xFF538FCD)
YUV	132.1280, 35.9259, -43.0853
Hunter-Lab	50.8839, -3.4327, -35.9823

Details

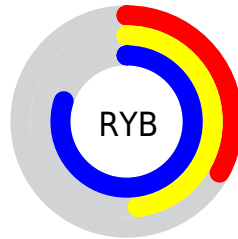
The Yxy color **25.8917, 0.2184, 0.2317** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **33.8368, 0.4415, 0.4054**, and the grayscale version is **23.0059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8152, 0.2402, 0.2589**, and **10.0307, 0.1894, 0.2016** is the 20% darker color. If you saturate the color by 10%, you get **22.1114, 0.2047, 0.2119**, and if you desaturate by 10%, it is **30.2395, 0.2335, 0.2510**.

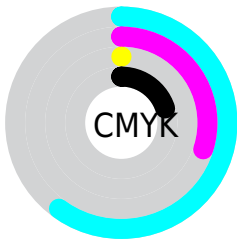
Distribution



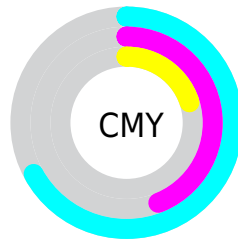
- Red (33%)
- Green (56%)
- Blue (80%)



- Red (33%)
- Yellow (48%)
- Blue (80%)



- Cyan (60%)
- Magenta (30%)
- Yellow (0%)
- Black (20%)



- Cyan (67%)
- Magenta (44%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8917, 0.2184, 0.2317 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 25.8917, 0.2184, 0.2317 by changing the saturation by 10% instead.

■ 25.8917, 0.2184,
0.2317

■ 25.8917, 0.2184,
0.2317

282.2500, 0.2680,
0.2830

■ 16.7426, 0.2056,
0.2184

■ 53.1002, 0.2368,
0.2508

■ 10.0512, 0.1891,
0.2012

■ 71.9284, 0.2436,
0.2578

■ 5.4329, 0.1672,
0.1784

■ 94.7518, 0.2493,
0.2637

■ 2.5034, 0.1375,
0.1473

■ 121.9547, 0.2542,
0.2688

■ 0.8784, 0.0966,
0.1043

153.9216, 0.2584,
0.2731

■ 0.0000, 0.0000,
0.0000

191.0369, 0.2620,

0.2768

233.6849, 0.2652,
0.2801

■ 25.8917, 0.2184,
0.2317

■ 25.8917, 0.2184,
0.2317

■ 22.1114, 0.2047,
0.2119

■ 30.2395, 0.2335,
0.2510

■ 18.8630, 0.1930,
0.1921

■ 35.1817, 0.2495,
0.2695

■ 16.1094, 0.1836,
0.1729

■ 40.7464, 0.2658,
0.2867

■ 13.7903, 0.1764,
0.1548

■ 46.9585, 0.2822,
0.3025

■ 13.6843, 0.1761,
0.1539

■ 53.8417, 0.2981,
0.3168

■ 61.4182, 0.3135,
0.3296

■ 69.7091, 0.3280,
0.3410

■ 78.7344, 0.3417,
0.3511

■ 86.0715, 0.3457,
0.3608

Harmonies

Analogous

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



25.8917, 0.1998, 0.2545



25.8917, 0.2184, 0.2317



25.8917, 0.2609, 0.2325

Triad

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



25.8917, 0.2184, 0.2317



25.8917, 0.4313, 0.3371



25.8917, 0.2937, 0.4258

Complementary

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



25.8917, 0.2184, 0.2317



33.8368, 0.4415, 0.4054

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.



25.8917, 0.3562, 0.4468



25.8917, 0.2184, 0.2317



25.8917, 0.4391, 0.3860

Square

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



25.8917, 0.2184, 0.2317



25.8917, 0.3865, 0.2905



25.8917, 0.4100, 0.4278



25.8917, 0.2395, 0.3680

Rectangle

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



25.8917, 0.2184, 0.2317



25.8917, 0.3002, 0.2445



25.8917, 0.4100, 0.4278



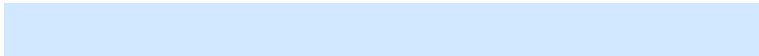
25.8917, 0.3145, 0.4378

Sweetspot

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



25.8926, 0.2184, 0.2317



78.3251, 0.2842, 0.3044



47.5002, 0.2720, 0.4246



16.0898, 0.2794, 0.2999



0.0000, 0.0000, 0.0000



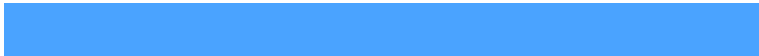
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.8926, 0.2184, 0.2317



34.8787, 0.2017, 0.2071



12.4308, 0.1979, 0.1392



11.7402, 0.2983, 0.3169



8.7112, 0.1768, 0.1565



0.6012, 0.1868, 0.1924

Inverse Universe

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



21.1440, 0.4018, 0.2557



28.7963, 0.4311, 0.2468



57.2477, 0.3964, 0.4674



11.3042, 0.3214, 0.3177



8.6824, 0.4976, 0.2515



0.4632, 0.4540, 0.2275

Previews

White Background



This preview shows how the Yxy color 25.8917, 0.2184, 0.2317 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 25.8917, 0.2184, 0.2317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

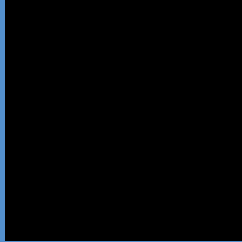
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8917, 0.2184, 0.2317

Background



This preview shows how black text looks on a background with the Yxy color 25.8917, 0.2184, 0.2317.



This preview shows how white text looks on a background with the Yxy color 25.8917, 0.2184, 0.2317.

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

25.8917, 0.2184, 0.2317

Protanopia

25.6300, 0.2416, 0.2319

Deuteranopia

25.8213, 0.2313, 0.2261



Tritanopia

25.9014, 0.2354, 0.3070

Trichromacy



Original Color

25.8917, 0.2184, 0.2317

Protanomaly

25.7328, 0.2318, 0.2320

Deuteranomaly

25.8650, 0.2260, 0.2278

Tritanomaly

25.7719, 0.2289, 0.2770

Monochromacy



Original Color

25.8917, 0.2184, 0.2317

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.6889, 0.2686, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8917, 0.2184, 0.2317 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(83, 143, 205)` looks like.

```
.text, #text, p{  
    color:rgb(83, 143, 205)  
}
```

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(83, 143, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 143, 205) }
```

Border

The CSS property to change the border of an element to Yxy 25.8917, 0.2184, 0.2317 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(83, 143, 205) }
```

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

```
.border{ border-color:rgb(83, 143, 205) }
```

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

Here you see how a box with a 4 pixel rgb(83, 143, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 143, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 143, 205);  
box-shadow:4px 4px 4px 4px rgb(83, 143,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8917, 0.2184, 0.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 143, 205) }
```

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

```
.background{ background-color: rgb(83, 143,  
205) }
```

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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