

Converting Colors

$Y_{xy}(24.4710, 0.2180, 0.2201)$

Have a look what the booklet for
Yxy(24.4710, 0.2180, 0.2201)
contains.

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Color

$\text{Yxy}(24.4710, 0.2180, 0.2201)$

Conversions

Conversions Part 1

Format	Color
Hex	5889CF
RGB	88, 137, 207
RGB Percent	35%, 54%, 81%
CMY	0.6546, 0.4628, 0.1883
CMYK	0.57, 0.34, 0.00, 0.19
HSL	215°, 55%, 58%
HSV	215°, 57%, 81%
XYZ	24.2375, 24.4710, 62.4728
YIQ	130.3290, -51.6740, 11.3820

Conversions

Conversions Part 2

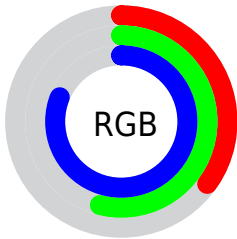
Format	Color
R _Y B	88, 123, 207
Decimal	5802447
CIE Lab	56.56, 4.33, -41.09
CIE LCh	57, 41.321, 276.009
Yxy	24.4710, 0.2180, 0.2201
Android (android.graphics.Color)	4283992527 (0xFF5889CF)
YUV	130.3290, 37.7988, -37.1225
Hunter-Lab	49.4682, 0.8889, -40.2489

Details

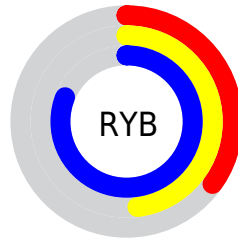
The Yxy color **24.4710, 0.2180, 0.2201** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **38.4548, 0.4283, 0.4145**, and the grayscale version is **22.3297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1579, 0.2413, 0.2505**, and **9.3566, 0.1884, 0.1881** is the 20% darker color. If you saturate the color by 10%, you get **20.3291, 0.2028, 0.1972**, and if you desaturate by 10%, it is **29.2927, 0.2344, 0.2425**.

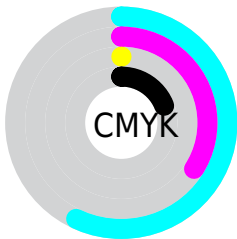
Distribution



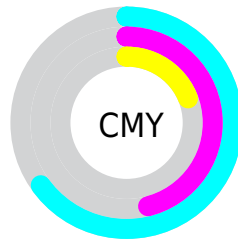
- Red (35%)
- Green (54%)
- Blue (81%)



- Red (35%)
- Yellow (48%)
- Blue (81%)



- Cyan (57%)
- Magenta (34%)
- Yellow (0%)
- Black (19%)



- Cyan (65%)
- Magenta (46%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4710, 0.2180, 0.2201 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 24.4710, 0.2180, 0.2201 by changing the saturation by 10% instead.

■ 24.4710, 0.2180,
0.2201

■ 24.4710, 0.2180,
0.2201

275.1931, 0.2682,
0.2770

■ 15.6834, 0.2049,
0.2056

■ 50.7977, 0.2367,
0.2411

■ 9.3004, 0.1880,
0.1869

■ 69.1056, 0.2436,
0.2490

■ 4.9376, 0.1656,
0.1625

■ 91.3557, 0.2494,
0.2555

■ 2.2107, 0.1352,
0.1299

■ 117.9324, 0.2543,
0.2611

■ 0.7258, 0.0937,
0.0855

149.2201, 0.2585,
0.2659

■ 0.0000, 0.0000,
0.0000

185.6032, 0.2622,

0.2701

227.4661, 0.2654,
0.2738

■ 24.4710, 0.2180,
0.2201

■ 24.4710, 0.2180,
0.2201

■ 20.3291, 0.2028,
0.1972

■ 29.2927, 0.2344,
0.2425

■ 16.8265, 0.1896,
0.1745

■ 34.8262, 0.2514,
0.2638

■ 13.9213, 0.1788,
0.1529

■ 41.1039, 0.2685,
0.2836

■ 11.5584, 0.1708,
0.1331

■ 48.1554, 0.2853,
0.3017

■ 11.0224, 0.1690,
0.1283

■ 56.0085, 0.3013,
0.3180

■ 64.6895, 0.3165,
0.3326

■ 74.2234, 0.3307,
0.3454

■ 84.6341, 0.3438,
0.3567

■ 92.0818, 0.3426,
0.3683

Harmonies

Analogous

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



24.4710, 0.1914, 0.2377



24.4710, 0.2180, 0.2201



24.4710, 0.2700, 0.2270

Triad

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



24.4710, 0.2180, 0.2201



24.4710, 0.4509, 0.3498



24.4710, 0.2747, 0.4251

Complementary

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



24.4710, 0.2180, 0.2201



38.4548, 0.4283, 0.4145

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.



24.4710, 0.3430, 0.4599



24.4710, 0.2180, 0.2201



24.4710, 0.4479, 0.4028

Square

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



24.4710, 0.2180, 0.2201



24.4710, 0.4101, 0.2980



24.4710, 0.4067, 0.4462



24.4710, 0.2202, 0.3535

Rectangle

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



24.4710, 0.2180, 0.2201



24.4710, 0.3160, 0.2434



24.4710, 0.4067, 0.4462



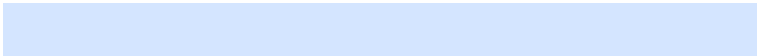
24.4710, 0.2968, 0.4422

Sweetspot

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



24.4718, 0.2180, 0.2201



77.4690, 0.2857, 0.3021



49.1511, 0.2672, 0.4046



16.0664, 0.2823, 0.2986



0.0000, 0.0000, 0.0000



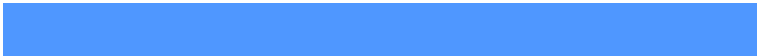
21.4041, 0.3127, 0.3290

Same Dimension

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



24.4718, 0.2180, 0.2201



31.1511, 0.1995, 0.1917



14.0945, 0.2093, 0.1490



12.2048, 0.2982, 0.3149



7.1214, 0.1697, 0.1308



0.5528, 0.1799, 0.1674

Inverse Universe

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



22.0638, 0.4117, 0.2692



29.1070, 0.4465, 0.2617



57.2102, 0.3858, 0.4684



11.8877, 0.3227, 0.3195



8.7902, 0.5315, 0.2702



0.5071, 0.4838, 0.2439

Previews

White Background



This preview shows how the Yxy color 24.4710, 0.2180, 0.2201 looks on a white background.

Color Contrast Check

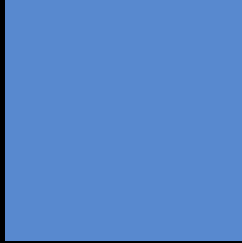
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4710, 0.2180, 0.2201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

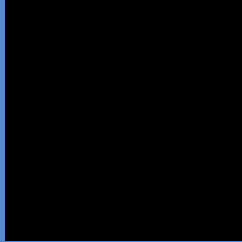
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

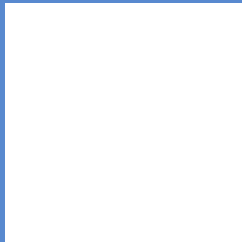
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.4710, 0.2180, 0.2201

Background



This preview shows how black text looks on a background with the Yxy color 24.4710, 0.2180, 0.2201.

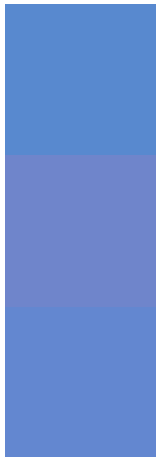


This preview shows how white text looks on a background with the Yxy color 24.4710, 0.2180, 0.2201.

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

24.4710, 0.2180, 0.2201

Protanopia

24.4664, 0.2337, 0.2223

Deuteranopia

24.5347, 0.2233, 0.2175



Tritanopia

24.5996, 0.2378, 0.3067

Trichromacy



Original Color

24.4710, 0.2180, 0.2201

Protanomaly

24.2934, 0.2278, 0.2212

Deuteranomaly

24.5953, 0.2212, 0.2184

Tritanomaly

24.2754, 0.2297, 0.2712

Monochromacy



Original Color

24.4710, 0.2180, 0.2201

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.8885, 0.2699, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4710, 0.2180, 0.2201 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(88, 137, 207)` looks like.

```
.text, #text, p{  
    color:rgb(88, 137, 207)  
}
```

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(88, 137, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 137, 207) }
```

Border

The CSS property to change the border of an element to Yxy 24.4710, 0.2180, 0.2201 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(88, 137, 207) }
```

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

```
.border{ border-color:rgb(88, 137, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 137, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 137, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 137, 207);  
box-shadow:4px 4px 4px 4px rgb(88, 137,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4710, 0.2180, 0.2201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 137, 207) }
```

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

```
.background{ background-color: rgb(88, 137,  
207) }
```

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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