

Converting Colors

$Y_{xy}(21.7965, 0.2127, 0.2185)$

Have a look what the booklet for
Yxy(21.7965, 0.2127, 0.2185)
contains.

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Color

$\text{Yxy}(21.8057, 0.2131, 0.2191)$

Conversions

Conversions Part 1

Format	Color
Hex	4B83C6
RGB	75, 131, 198
RGB Percent	29%, 51%, 78%
CMY	0.7059, 0.4862, 0.2236
CMYK	0.62, 0.34, 0.00, 0.22
HSL	213°, 52%, 54%
HSV	213°, 62%, 78%
XYZ	21.2086, 21.8057, 56.5097
YIQ	121.8940, -54.8830, 8.9650

Conversions

Conversions Part 2

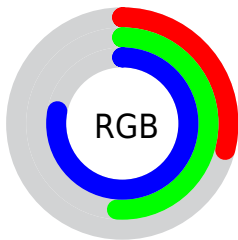
Format	Color
R _Y B	75, 113, 198
Decimal	4948934
CIE Lab	53.82, 2.32, -40.35
CIE LCh	54, 40.412, 273.290
Yxy	21.8057, 0.2131, 0.2191
Android (android.graphics.Color)	4283139014 (0xFF4B83C6)
YUV	121.8940, 37.5203, -41.1260
Hunter-Lab	46.6966, -0.6482, -39.0620

Details

The Yxy color **21.8057, 0.2131, 0.2191** 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 **31.8476, 0.4441, 0.4132**, and the grayscale version is **19.3138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5693, 0.2335, 0.2415**, and **8.0482, 0.1846, 0.1845** is the 20% darker color. If you saturate the color by 10%, you get **18.3815, 0.1994, 0.1979**, and if you desaturate by 10%, it is **25.7811, 0.2284, 0.2400**.

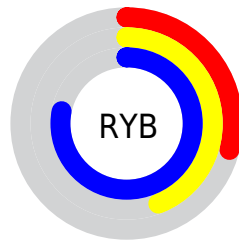
Distribution



Red (29%)

Green (51%)

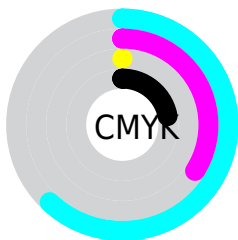
Blue (78%)



Red (29%)

Yellow (44%)

Blue (78%)

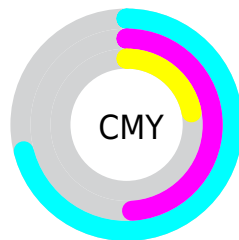


Cyan (62%)

Magenta (34%)

Yellow (0%)

Black (22%)



Cyan (71%)

Magenta (49%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8057, 0.2131, 0.2191 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 21.8057, 0.2131, 0.2191 by changing the saturation by 10% instead.

■ 21.8057, 0.2131,
0.2191

■ 21.8057, 0.2131,
0.2191

■ 261.5299, 0.2666,
0.2777

■ 13.7142, 0.1989,
0.2037

■ 46.4247, 0.2333,
0.2411

■ 7.9222, 0.1805,
0.1839

■ 63.7209, 0.2406,
0.2491

■ 4.0452, 0.1559,
0.1576

■ 84.8542, 0.2468,
0.2559

■ 1.6989, 0.1224,
0.1221

■ 110.2089, 0.2520,
0.2616

■ 0.4229, 0.0704,
0.0649

■ 140.1694, 0.2565,
0.2665

■ 0.0000, 0.0000,
0.0000

175.1202, 0.2603,

0.2707

215.4455, 0.2637,
0.2745

■ 21.8057, 0.2131,
0.2191

■ 21.8057, 0.2131,
0.2191

■ 18.3815, 0.1994,
0.1979

■ 25.7811, 0.2284,
0.2400

■ 15.4732, 0.1877,
0.1770

■ 30.3351, 0.2446,
0.2601

■ 13.0433, 0.1786,
0.1571

■ 35.4956, 0.2612,
0.2789

■ 11.4186, 0.1729,
0.1424

■ 41.2877, 0.2778,
0.2963

■ 47.7347, 0.2940,
0.3121

■ 54.8590, 0.3095,
0.3262

■ 62.6815, 0.3242,
0.3388

■ 71.2222, 0.3380,
0.3499

■ 80.5002, 0.3508,
0.3596

Harmonies

Analogous

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



21.8057, 0.1886, 0.2392



21.8057, 0.2131, 0.2191



21.8057, 0.2636, 0.2241

Triad

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



21.8057, 0.2131, 0.2191



21.8057, 0.4511, 0.3450



21.8057, 0.2799, 0.4321

Complementary

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



21.8057, 0.2131, 0.2191



31.8476, 0.4441, 0.4132

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.



21.8057, 0.3496, 0.4628



21.8057, 0.2131, 0.2191



21.8057, 0.4520, 0.3989

Square

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



21.8057, 0.2131, 0.2191



21.8057, 0.4061, 0.2930



21.8057, 0.4130, 0.4447



21.8057, 0.2228, 0.3610

Rectangle

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



21.8057, 0.2131, 0.2191



21.8057, 0.3093, 0.2394



21.8057, 0.4130, 0.4447



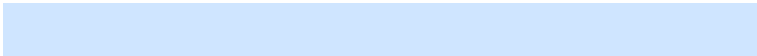
21.8057, 0.3027, 0.4481

Sweetspot

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



21.8064, 0.2131, 0.2191



76.2475, 0.2825, 0.3009



43.7889, 0.2688, 0.4223



15.6370, 0.2777, 0.2962



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.



21.8064, 0.2131, 0.2191



30.3886, 0.1944, 0.1894



10.7725, 0.1959, 0.1324



11.0700, 0.2983, 0.3161



7.5933, 0.1736, 0.1448



0.5039, 0.1847, 0.1851

Inverse Universe

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



18.6731, 0.4148, 0.2591



27.1284, 0.4518, 0.2520



52.3452, 0.3954, 0.4738



10.7159, 0.3220, 0.3185



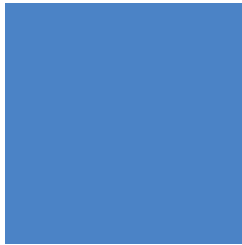
8.3065, 0.5127, 0.2598



0.4079, 0.4625, 0.2322

Previews

White Background



This preview shows how the Yxy color 21.8057, 0.2131, 0.2191 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 21.8057, 0.2131, 0.2191 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

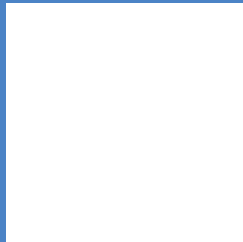
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.8057, 0.2131, 0.2191

Background



This preview shows how black text looks on a background with the Yxy color 21.8057, 0.2131, 0.2191.

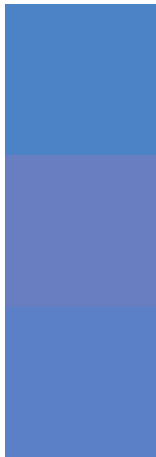


This preview shows how white text looks on a background with the Yxy color 21.8057, 0.2131, 0.2191.

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

21.8057, 0.2131, 0.2191

Protanopia

21.7150, 0.2327, 0.2217

Deuteranopia

21.7860, 0.2208, 0.2153



Tritanopia

21.7532, 0.2310, 0.3053

Trichromacy



Original Color

21.8057, 0.2131, 0.2191

Protanomaly

21.7056, 0.2243, 0.2205

Deuteranomaly

21.7553, 0.2174, 0.2160

Tritanomaly

21.7166, 0.2233, 0.2699

Monochromacy



Original Color

21.8057, 0.2131, 0.2191

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.8725, 0.2657, 0.2829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8057, 0.2131, 0.2191 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(75, 131, 198)` looks like.

```
.text, #text, p{  
    color:rgb(75, 131, 198)  
}
```

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(75, 131, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 131, 198) }
```

Border

The CSS property to change the border of an element to Yxy 21.8057, 0.2131, 0.2191 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(75, 131, 198) }
```

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

```
.border{ border-color:rgb(75, 131, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 131, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 131, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 131, 198);  
box-shadow:4px 4px 4px 4px rgb(75, 131,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8057, 0.2131, 0.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 131, 198) }
```

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

```
.background{ background-color: rgb(75, 131,  
198) }
```

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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