

Converting Colors

$Y_{xy}(21.4789, 0.2350, 0.2583)$

Have a look what the booklet for
Yxy(21.4789, 0.2350, 0.2583)
contains.

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Color

$\text{Yxy}(21.4595, 0.2350, 0.2581)$

Conversions

Conversions Part 1

Format	Color
Hex	5684AC
RGB	86, 132, 172
RGB Percent	34%, 52%, 67%
CMY	0.6626, 0.4824, 0.3255
CMYK	0.50, 0.23, 0.00, 0.33
HSL	208°, 34%, 51%
HSV	208°, 50%, 67%
XYZ	19.5389, 21.4595, 42.1458
YIQ	122.8060, -40.2560, 2.6880

Conversions

Conversions Part 2

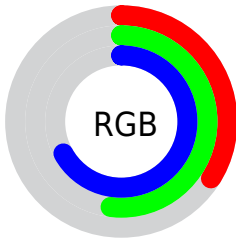
Format	Color
R_{YB}	86, 116, 172
Decimal	5670060
CIE _{Lab}	53.45, -4.26, -26.02
CIE _{LCh}	53, 26.363, 260.709
Yxy	21.4595, 0.2350, 0.2581
Android (android.graphics.Color)	4283860140 (0xFF5684AC)
YUV	122.8060, 24.2526, -32.2789
Hunter-Lab	46.3244, -5.7793, -21.5147

Details

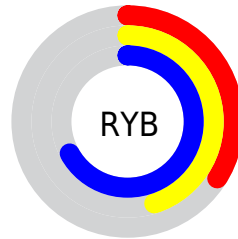
The Yxy color **21.4595, 0.2350, 0.2581** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.3815, 0.4174, 0.3889**, and the grayscale version is **19.6723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8748, 0.2509, 0.2729**, and **7.8038, 0.2074, 0.2316** is the 20% darker color. If you saturate the color by 10%, you get **18.6504, 0.2207, 0.2407**, and if you desaturate by 10%, it is **24.6334, 0.2503, 0.2747**.

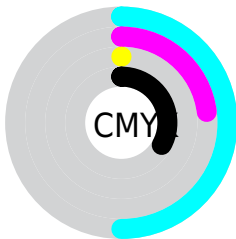
Distribution



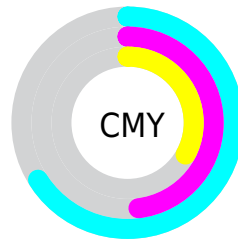
- Red (34%)
- Green (52%)
- Blue (67%)



- Red (34%)
- Yellow (45%)
- Blue (67%)



- Cyan (50%)
- Magenta (23%)
- Yellow (0%)
- Black (33%)



- Cyan (66%)
- Magenta (48%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4595, 0.2350, 0.2581 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 21.4595, 0.2350, 0.2581 by changing the saturation by 10% instead.

■ 21.4595, 0.2350,
0.2581

■ 21.4595, 0.2350,
0.2581

■ 259.7105, 0.2776,
0.2975

■ 13.4603, 0.2232,
0.2469

■ 45.8510, 0.2514,
0.2734

■ 7.7463, 0.2073,
0.2317

■ 63.0121, 0.2572,
0.2789

■ 3.9330, 0.1851,
0.2102

■ 83.9960, 0.2621,
0.2834

■ 1.6362, 0.1525,
0.1778

■ 109.1870, 0.2662,
0.2871

■ 0.3818, 0.0737,
0.1086

■ 138.9696, 0.2697,
0.2903

■ 0.0000, 0.0000,
0.0000

173.7281, 0.2727,

0.2931

213.8469, 0.2753,
0.2954

■ 21.4595, 0.2350,
0.2581

■ 21.4595, 0.2350,
0.2581

■ 18.6504, 0.2207,
0.2407

■ 24.6334, 0.2503,
0.2747

■ 16.1857, 0.2077,
0.2228

■ 28.1861, 0.2661,
0.2901

■ 14.0460, 0.1966,
0.2049

■ 32.1339, 0.2819,
0.3044

■ 12.2081, 0.1877,
0.1873

■ 36.4910, 0.2976,
0.3174

■ 10.6264, 0.1807,
0.1703

■ 41.2709, 0.3128,
0.3290

■ 10.6227, 0.1806,
0.1703

■ 46.4864, 0.3273,
0.3394

■ 52.1497, 0.3411,
0.3486

■ 58.2725, 0.3541,
0.3568

■ 64.8660, 0.3662,
0.3639

Harmonies

Analogous

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



21.4595, 0.2257, 0.2820



21.4595, 0.2350, 0.2581



21.4595, 0.2637, 0.2531

Triad

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



21.4595, 0.2350, 0.2581



21.4595, 0.3940, 0.3269



21.4595, 0.3122, 0.4060

Complementary

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



21.4595, 0.2350, 0.2581



24.3815, 0.4174, 0.3889

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.



21.4595, 0.3587, 0.4150



21.4595, 0.2350, 0.2581



21.4595, 0.4082, 0.3649

Square

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



21.4595, 0.2350, 0.2581



21.4595, 0.3559, 0.2916



21.4595, 0.3945, 0.3978



21.4595, 0.2680, 0.3703

Rectangle

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



21.4595, 0.2350, 0.2581



21.4595, 0.2916, 0.2595



21.4595, 0.3945, 0.3978



21.4595, 0.3281, 0.4123

Sweetspot

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



21.4603, 0.2350, 0.2581



61.9155, 0.2893, 0.3107



32.9626, 0.2794, 0.4134



13.1104, 0.2861, 0.3080



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.4603, 0.2350, 0.2581



33.3094, 0.2192, 0.2388



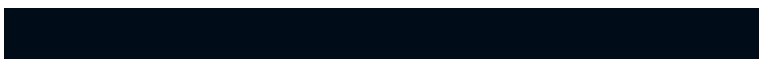
12.3301, 0.2204, 0.1815



8.4394, 0.2986, 0.3182



8.0151, 0.1811, 0.1720



0.3311, 0.1956, 0.2242

Inverse Universe

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



17.1003, 0.3745, 0.2613



25.7821, 0.3955, 0.2487



37.3426, 0.3873, 0.4430



8.0842, 0.3206, 0.3169



7.1122, 0.4782, 0.2408



0.2088, 0.4187, 0.2080

Previews

White Background



This preview shows how the Yxy color 21.4595, 0.2350, 0.2581 looks on a white background.

Color Contrast Check

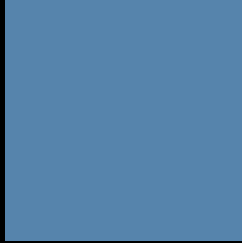
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4595, 0.2350, 0.2581 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

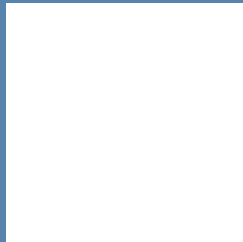
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.4595, 0.2350, 0.2581

Background



This preview shows how black text looks on a background with the Yxy color 21.4595, 0.2350, 0.2581.

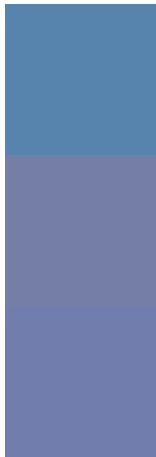


This preview shows how white text looks on a background with the Yxy color 21.4595, 0.2350, 0.2581.

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

21.4595, 0.2350, 0.2581

Protanopia

21.4247, 0.2619, 0.2593

Deuteranopia

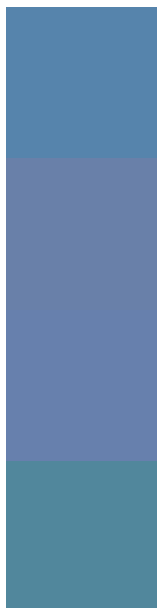
21.1951, 0.2540, 0.2483



Tritanopia

21.3346, 0.2482, 0.3076

Trichromacy



Original Color

21.4595, 0.2350, 0.2581

Protanomaly

21.3062, 0.2508, 0.2580

Deuteranomaly

21.3390, 0.2461, 0.2518

Tritanomaly

21.4776, 0.2434, 0.2895

Monochromacy



Original Color

21.4595, 0.2350, 0.2581

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1598, 0.2792, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4595, 0.2350, 0.2581 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(86, 132, 172)` looks like.

```
.text, #text, p{  
  color:rgb(86, 132, 172)  
}
```

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(86, 132, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 132, 172) }
```

Border

The CSS property to change the border of an element to Yxy 21.4595, 0.2350, 0.2581 is called "border". The border property can be set on classes, ids or directly on the HTML element.

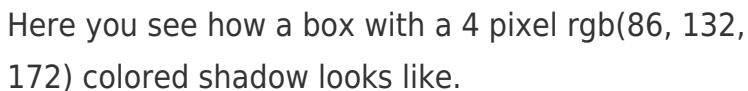
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 132, 172) }
```

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

```
.border{ border-color:rgb(86, 132, 172) }
```

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



Here you see how a box with a 4 pixel rgb(86, 132, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(86, 132, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(86, 132, 172); box-shadow:4px 4px 4px 4px rgb(86, 132, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4595, 0.2350, 0.2581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 132, 172) }
```

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

```
.background{ background-color: rgb(86, 132,  
172) }
```

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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