

Converting Colors

$Y_{xy}(20.3694, 0.2185, 0.2089)$

Have a look what the booklet for
Yxy(20.3694, 0.2185, 0.2089)
contains.

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Color

Yxy(20.3210, 0.2189, 0.2090)

Conversions

Conversions Part 1

Format	Color
Hex	597BC5
RGB	89, 123, 197
RGB Percent	35%, 48%, 77%
CMY	0.6508, 0.5177, 0.2274
CMYK	0.55, 0.38, 0.00, 0.23
HSL	221°, 48%, 56%
HSV	221°, 55%, 77%
XYZ	21.2836, 20.3210, 55.6251
YIQ	121.2700, -44.0180, 15.8060

Conversions

Conversions Part 2

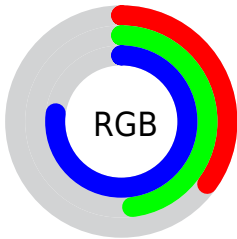
Format	Color
R _Y B	89, 115, 197
Decimal	5864389
CIE Lab	52.20, 9.67, -42.30
CIE LCh	52, 43.390, 282.875
Yxy	20.3210, 0.2189, 0.2090
Android (android.graphics.Color)	4284054469 (0xFF597BC5)
YUV	121.2700, 37.3349, -28.3008
Hunter-Lab	45.0788, 5.3893, -41.6058

Details

The Yxy color **20.3210, 0.2189, 0.2090** is a dark color, and the websafe version is hex **666699**. The color can be described as middle muted azure. A complement of this color would be **38.8046, 0.4137, 0.4232**, and the grayscale version is **19.1029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9267, 0.2386, 0.2326**, and **7.2095, 0.1868, 0.1716** is the 20% darker color. If you saturate the color by 10%, you get **16.3511, 0.2021, 0.1828**, and if you desaturate by 10%, it is **25.0153, 0.2367, 0.2347**.

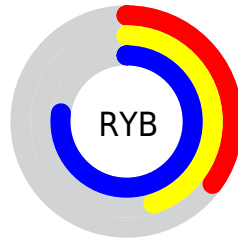
Distribution



Red (35%)

Green (48%)

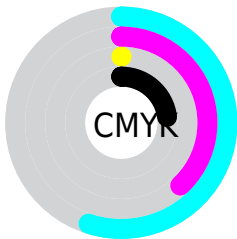
Blue (77%)



Red (35%)

Yellow (45%)

Blue (77%)

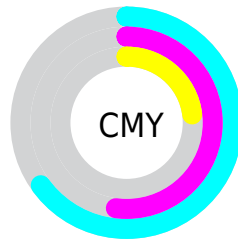


Cyan (55%)

Magenta (38%)

Yellow (0%)

Black (23%)



Cyan (65%)

Magenta (52%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.3210, 0.2189, 0.2090 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 20.3210, 0.2189, 0.2090 by changing the saturation by 10% instead.

■ 20.3210, 0.2189,
0.2090

■ 20.3210, 0.2189,
0.2090

■ 253.6476, 0.2702,
0.2725

■ 12.6286, 0.2050,
0.1926

■ 43.9547, 0.2384,
0.2326

■ 7.1733, 0.1868,
0.1715

■ 60.6648, 0.2455,
0.2414

■ 3.5707, 0.1623,
0.1439

■ 81.1496, 0.2514,
0.2487

■ 1.4365, 0.1284,
0.1073

■ 105.7935, 0.2563,
0.2549

■ 0.2434, 0.0759,
0.0395

■ 134.9808, 0.2606,
0.2603

■ 0.0000, 0.0000,
0.0000

169.0960, 0.2642,

0.2649

208.5235, 0.2674,
0.2689

■ 20.3210, 0.2189,
0.2090

■ 20.3210, 0.2189,
0.2090

■ 16.3511, 0.2021,
0.1828

■ 25.0153, 0.2367,
0.2347

■ 13.0633, 0.1871,
0.1571

■ 30.4687, 0.2548,
0.2592

■ 10.4137, 0.1748,
0.1332

■ 36.7157, 0.2726,
0.2819

■ 8.3506, 0.1656,
0.1121

■ 43.7882, 0.2895,
0.3025

■ 7.4718, 0.1618,
0.1025

■ 51.7162, 0.3055,
0.3209

■ 60.5280, 0.3202,
0.3372

■ 70.2508, 0.3338,
0.3516

■ 80.9102, 0.3461,
0.3641

■ 90.3159, 0.3493,
0.3763

Harmonies

Analogous

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



20.3210, 0.1838, 0.2209



20.3210, 0.2189, 0.2090



20.3210, 0.2815, 0.2223

Triad

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



20.3210, 0.2189, 0.2090



20.3210, 0.4702, 0.3635



20.3210, 0.2538, 0.4213

Complementary

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



20.3210, 0.2189, 0.2090



38.8046, 0.4137, 0.4232

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.



20.3210, 0.3272, 0.4729



20.3210, 0.2189, 0.2090



20.3210, 0.4546, 0.4210

Square

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



20.3210, 0.2189, 0.2090



20.3210, 0.4358, 0.3063



20.3210, 0.4007, 0.4661



20.3210, 0.2004, 0.3360

Rectangle

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



20.3210, 0.2189, 0.2090



20.3210, 0.3347, 0.2432



20.3210, 0.4007, 0.4661



20.3210, 0.2769, 0.4446

Sweetspot

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



20.3217, 0.2189, 0.2090



76.5015, 0.2871, 0.2996



44.6973, 0.2624, 0.3822



15.7909, 0.2836, 0.2954



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.



20.3217, 0.2189, 0.2090



27.8798, 0.1986, 0.1770



14.4236, 0.2242, 0.1622



10.8228, 0.2983, 0.3127



5.0477, 0.1624, 0.1048



0.3701, 0.1745, 0.1481

Inverse Universe

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



20.4522, 0.4207, 0.2852



29.9104, 0.4607, 0.2793



50.0274, 0.3734, 0.4676



10.6910, 0.3241, 0.3218



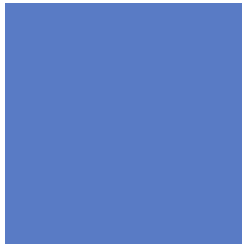
8.0496, 0.5687, 0.2907



0.3944, 0.5084, 0.2575

Previews

White Background



This preview shows how the Yxy color 20.3210, 0.2189, 0.2090 looks on a white background.

Color Contrast Check

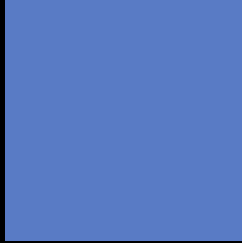
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3210, 0.2189, 0.2090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

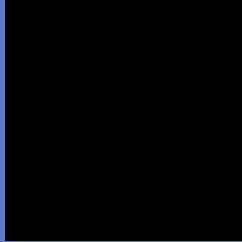
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3210, 0.2189, 0.2090

Background



This preview shows how black text looks on a background with the Yxy color 20.3210, 0.2189, 0.2090.



This preview shows how white text looks on a background with the Yxy color 20.3210, 0.2189, 0.2090.

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

20.3210, 0.2189, 0.2090

Protanopia

20.3914, 0.2238, 0.2099

Deuteranopia

20.2855, 0.2155, 0.2096



Tritanopia

20.3966, 0.2433, 0.3070

Trichromacy



Original Color

20.3210, 0.2189, 0.2090

Protanomaly

20.2317, 0.2218, 0.2093

Deuteranomaly

20.3778, 0.2167, 0.2100

Tritanomaly

20.2234, 0.2333, 0.2659

Monochromacy



Original Color

20.3210, 0.2189, 0.2090

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.3402, 0.2701, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3210, 0.2189, 0.2090 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(89, 123, 197)` looks like.

```
.text, #text, p{  
    color:rgb(89, 123, 197)  
}
```

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(89, 123, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 123, 197) }
```

Border

The CSS property to change the border of an element to Yxy 20.3210, 0.2189, 0.2090 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(89, 123, 197) }
```

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

```
.border{ border-color:rgb(89, 123, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 123, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 123, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 123, 197);  
box-shadow:4px 4px 4px 4px rgb(89, 123,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3210, 0.2189, 0.2090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 123, 197) }
```

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

```
.background{ background-color: rgb(89, 123,  
197) }
```

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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