

Converting Colors

$Y_{xy}(20.5958, 0.2177, 0.1796)$

Have a look what the booklet for
Yxy(20.5958, 0.2177, 0.1796)
contains.

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Color

Yxy(20.6785, 0.2177, 0.1804)

Conversions

Conversions Part 1

Format	Color
Hex	6B74DA
RGB	107, 116, 218
RGB Percent	42%, 45%, 85%
CMY	0.5807, 0.5450, 0.1452
CMYK	0.51, 0.47, 0.00, 0.15
HSL	235°, 60%, 64%
HSV	235°, 51%, 85%
XYZ	24.9540, 20.6785, 68.9933
YIQ	124.9370, -38.1060, 29.8140

Conversions

Conversions Part 2

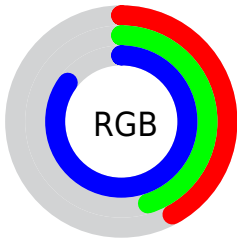
Format	Color
R _Y B	107, 115, 218
Decimal	7042266
CIE _{Lab}	52.60, 24.49, -53.51
CIE _{LCh}	53, 58.852, 294.592
Y _{xy}	20.6785, 0.2177, 0.1804
Android (android.graphics.Color)	4285232346 (0xFF6B74DA)
YUV	124.9370, 45.8801, -15.7307
Hunter-Lab	45.4736, 18.3746, -58.1242

Details

The Yxy color $20.6785, 0.2177, 0.1804$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $61.5009, 0.3916, 0.4433$, and the grayscale version is $20.3350, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.1178, 0.2481, 0.2258$, and $7.3237, 0.1864, 0.1405$ is the 20% darker color. If you saturate the color by 10%, you get $15.3671, 0.1977, 0.1475$, and if you desaturate by 10%, it is $27.3253, 0.2385, 0.2138$.

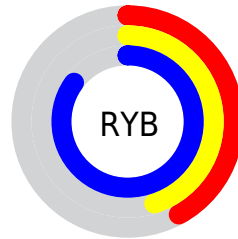
Distribution



Red (42%)

Green (45%)

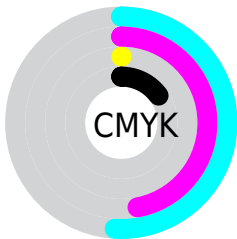
Blue (85%)



Red (42%)

Yellow (45%)

Blue (85%)

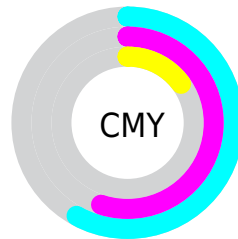


Cyan (51%)

Magenta (47%)

Yellow (0%)

Black (15%)



Cyan (58%)


Magenta (55%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6785, 0.2177, 0.1804 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 20.6785, 0.2177, 0.1804 by changing the saturation by 10% instead.


 20.6785, 0.2177,
0.1804


 20.6785, 0.2177,
0.1804


255.5649, 0.2696,
0.2553

 12.8892, 0.2039,
0.1625


 44.5519, 0.2373,
0.2072

 7.3523, 0.1861,
0.1405


 61.4047, 0.2445,
0.2174

 3.6834, 0.1625,
0.1133

 82.0475, 0.2505,
0.2261

 1.4981, 0.1308,
0.0799

 106.8647, 0.2555,
0.2336

 0.2874, 0.0899,
0.0297

136.2406, 0.2598,
0.2401

 0.0000, 0.0000,
0.0000

170.5597, 0.2635,

0.2458

210.2063, 0.2668,
0.2508

■ 20.6785, 0.2177,
0.1804

■ 20.6785, 0.2177,
0.1804

■ 15.3671, 0.1977,
0.1475

■ 27.3253, 0.2385,
0.2138

■ 11.2984, 0.1799,
0.1175

■ 35.3875, 0.2589,
0.2461

■ 8.3714, 0.1657,
0.0925


■ 44.9412, 0.2780,
0.2760


■ 6.4679, 0.1561,
0.0744

■ 56.0564, 0.2956,
0.3030

■ 5.4898, 0.1513,
0.0645

■ 68.7989, 0.3113,
0.3269

 83.2305, 0.3252,
0.3477

 97.8410, 0.3346,
0.3651

Harmonies

Analogous

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



20.6785, 0.1621, 0.1805



20.6785, 0.2177, 0.1804



20.6785, 0.3096, 0.2075

Triad

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



20.6785, 0.2177, 0.1804



20.6785, 0.5177, 0.3926



20.6785, 0.2014, 0.4111

Complementary

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



20.6785, 0.2177, 0.1804



61.5009, 0.3916, 0.4433

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.



20.6785, 0.2864, 0.5125



20.6785, 0.2177, 0.1804



20.6785, 0.4685, 0.4662

Square

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



20.6785, 0.2177, 0.1804



20.6785, 0.5037, 0.3217



20.6785, 0.3835, 0.5230



20.6785, 0.1519, 0.2909

Rectangle

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



20.6785, 0.2177, 0.1804



20.6785, 0.3841, 0.2387



20.6785, 0.3835, 0.5230



20.6785, 0.2266, 0.4518

Sweetspot

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



20.6792, 0.2177, 0.1804



73.0608, 0.2885, 0.2921



57.8444, 0.2513, 0.3413



14.9189, 0.2847, 0.2863



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.



20.6792, 0.2177, 0.1804



21.5326, 0.1966, 0.1457



22.3508, 0.2538, 0.1826



12.7879, 0.2981, 0.3068



3.3527, 0.1516, 0.0656



0.2782, 0.1560, 0.0816

Inverse Universe

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



26.6628, 0.4459, 0.3186



31.4437, 0.4916, 0.3176



59.9309, 0.3498, 0.4693



13.0688, 0.3279, 0.3271



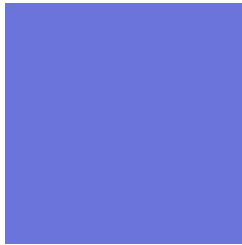
8.9622, 0.6305, 0.3247



0.5868, 0.6044, 0.3103

Previews

White Background



This preview shows how the Yxy color 20.6785, 0.2177, 0.1804 looks on a white background.

Color Contrast Check

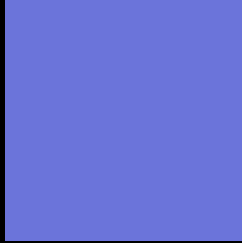
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6785, 0.2177, 0.1804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

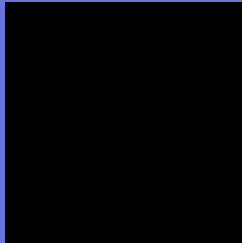
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6785, 0.2177, 0.1804

Background



This preview shows how black text looks on a background with the Yxy color 20.6785, 0.2177, 0.1804.



This preview shows how white text looks on a background with the Yxy color 20.6785, 0.2177, 0.1804.

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

20.6785, 0.2177, 0.1804

Protanopia

20.8787, 0.1995, 0.1774

Deuteranopia

20.9488, 0.1953, 0.1898



Tritanopia

20.6277, 0.2532, 0.3075

Trichromacy



Original Color

20.6785, 0.2177, 0.1804

Protanomaly

20.7816, 0.2053, 0.1783

Deuteranomaly

20.6315, 0.2012, 0.1850

Tritanomaly

20.3943, 0.2384, 0.2512

Monochromacy



Original Color

20.6785, 0.2177, 0.1804

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2738, 0.2701, 0.2647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6785, 0.2177, 0.1804 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(107, 116, 218)` looks like.

```
.text, #text, p{  
    color:rgb(107, 116, 218)  
}
```

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(107, 116, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 116, 218) }
```

Border

The CSS property to change the border of an element to Yxy 20.6785, 0.2177, 0.1804 is called "border". The border property can be set on classes, ids or directly on the HTML element.

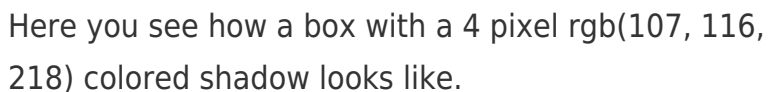
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 116, 218) }
```

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

```
.border{ border-color:rgb(107, 116, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 116, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 116, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 116, 218);  
box-shadow:4px 4px 4px 4px rgb(107, 116,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6785, 0.2177, 0.1804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 116, 218) }
```

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

```
.background{ background-color: rgb(107,  
116, 218) }
```

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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