

Converting Colors

$Y_{xy}(22.0120, 0.2180, 0.2017)$

Have a look what the booklet for
Yxy(22.0120, 0.2180, 0.2017)
contains.

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Color

Yxy(22.0120, 0.2180, 0.2017)

Conversions

Conversions Part 1

Format	Color
Hex	607ED1
RGB	96, 126, 209
RGB Percent	38%, 49%, 82%
CMY	0.6237, 0.5058, 0.1803
CMYK	0.54, 0.40, 0.00, 0.18
HSL	224°, 55%, 60%
HSV	224°, 54%, 82%
XYZ	23.7909, 22.0120, 63.3295
YIQ	126.4920, -44.5230, 19.4530

Conversions

Conversions Part 2

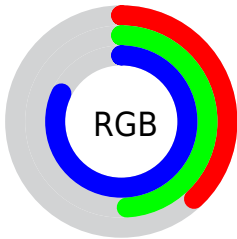
Format	Color
R _Y B	96, 120, 209
Decimal	6323921
CIE Lab	54.04, 13.21, -46.19
CIE LCh	54, 48.042, 285.964
Yxy	22.0120, 0.2180, 0.2017
Android (android.graphics.Color)	4284514001 (0xFF607ED1)
YUV	126.4920, 40.6764, -26.7415
Hunter-Lab	46.9169, 8.4099, -47.1891

Details

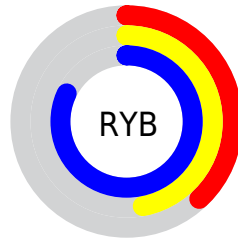
The Yxy color **22.0120, 0.2180, 0.2017** is a dark color, and the websafe version is hex **6699FF**. A complement of this color would be **46.6254, 0.4090, 0.4283**, and the grayscale version is **20.9075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8331, 0.2429, 0.2364**, and **8.0889, 0.1872, 0.1654** is the 20% darker color. If you saturate the color by 10%, you get **17.3981, 0.2004, 0.1738**, and if you desaturate by 10%, it is **27.5306, 0.2365, 0.2293**.

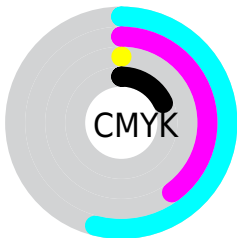
Distribution



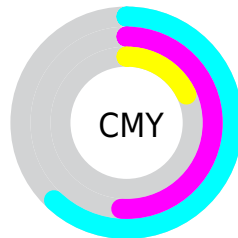
- Red (38%)
- Green (49%)
- Blue (82%)



- Red (38%)
- Yellow (47%)
- Blue (82%)



- Cyan (54%)
- Magenta (40%)
- Yellow (0%)
- Black (18%)



- Cyan (62%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0120, 0.2180, 0.2017 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 22.0120, 0.2180, 0.2017 by changing the saturation by 10% instead.

■ 22.0120, 0.2180,
0.2017

■ 22.0120, 0.2180,
0.2017

262.6089, 0.2691,
0.2675

■ 13.8657, 0.2045,
0.1853

■ 46.7658, 0.2373,
0.2258

■ 8.0273, 0.1869,
0.1646

■ 64.1422, 0.2443,
0.2348

■ 4.1124, 0.1636,
0.1380

■ 85.3640, 0.2502,
0.2424

■ 1.7367, 0.1319,
0.1037

■ 110.8157, 0.2552,
0.2489

■ 0.4472, 0.0894,
0.0535

140.8816, 0.2594,
0.2545

■ 0.0000, 0.0000,
0.0000

175.9462, 0.2631,

0.2594

216.3938, 0.2663,
0.2637

■ 22.0120, 0.2180,
0.2017

■ 22.0120, 0.2180,
0.2017

■ 17.3981, 0.2004,
0.1738

■ 27.5306, 0.2365,
0.2293

■ 13.6350, 0.1848,
0.1468

■ 33.9991, 0.2552,
0.2555

■ 10.6655, 0.1720,
0.1222

■ 41.4622, 0.2734,
0.2798

■ 8.4234, 0.1627,
0.1012

■ 49.9608, 0.2906,
0.3019

■ 7.3915, 0.1586,
0.0908

■ 59.5337, 0.3065,
0.3216

■ 70.2173, 0.3212,
0.3390

■ 82.0466, 0.3345,
0.3542

■ 93.4733, 0.3410,
0.3682

■ 97.3845, 0.3400,
0.3740

Harmonies

Analogous

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



22.0120, 0.1781, 0.2108



22.0120, 0.2180, 0.2017



22.0120, 0.2872, 0.2183

Triad

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



22.0120, 0.2180, 0.2017



22.0120, 0.4825, 0.3706



22.0120, 0.2417, 0.4206

Complementary

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



22.0120, 0.2180, 0.2017



46.6254, 0.4090, 0.4283

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.



22.0120, 0.3185, 0.4825



22.0120, 0.2180, 0.2017



22.0120, 0.4596, 0.4316

Square

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



22.0120, 0.2180, 0.2017



22.0120, 0.4516, 0.3100



22.0120, 0.3981, 0.4791



22.0120, 0.1885, 0.3263

Rectangle

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



22.0120, 0.2180, 0.2017



22.0120, 0.3452, 0.2417



22.0120, 0.3981, 0.4791



22.0120, 0.2656, 0.4476

Sweetspot

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



22.0127, 0.2180, 0.2017



75.4223, 0.2871, 0.2975



51.3445, 0.2596, 0.3729



15.5358, 0.2835, 0.2930



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.



22.0127, 0.2180, 0.2017



26.2184, 0.1977, 0.1693



17.1225, 0.2301, 0.1658



11.9216, 0.2982, 0.3114



4.6958, 0.1592, 0.0932



0.3946, 0.1694, 0.1299

Inverse Universe

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



23.4212, 0.4274, 0.2923



30.1487, 0.4685, 0.2877



56.4776, 0.3683, 0.4689



11.8591, 0.3249, 0.3228



8.5453, 0.5863, 0.3003



0.4911, 0.5328, 0.2709

Previews

White Background



This preview shows how the Yxy color 22.0120, 0.2180, 0.2017 looks on a white background.

Color Contrast Check

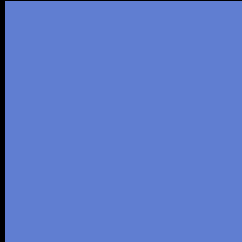
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0120, 0.2180, 0.2017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

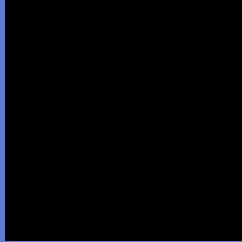
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0120, 0.2180, 0.2017

Background



This preview shows how black text looks on a background with the Yxy color 22.0120, 0.2180, 0.2017.

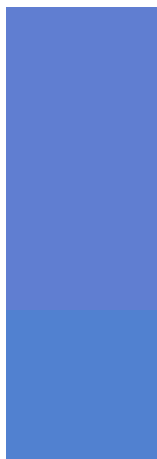


This preview shows how white text looks on a background with the Yxy color 22.0120, 0.2180, 0.2017.

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

22.0120, 0.2180, 0.2017

Protanopia

22.0120, 0.2180, 0.2017

Deuteranopia

22.0039, 0.2108, 0.2050



Tritanopia

22.1631, 0.2450, 0.3078

Trichromacy



Original Color

22.0120, 0.2180, 0.2017

Protanomaly

22.0120, 0.2180, 0.2017

Deuteranomaly

21.9708, 0.2132, 0.2042

Tritanomaly

21.8295, 0.2343, 0.2630

Monochromacy



Original Color

22.0120, 0.2180, 0.2017

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.9668, 0.2705, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0120, 0.2180, 0.2017 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(96, 126, 209)` looks like.

```
.text, #text, p{  
    color:rgb(96, 126, 209)  
}
```

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(96, 126, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 126, 209) }
```

Border

The CSS property to change the border of an element to Yxy 22.0120, 0.2180, 0.2017 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(96, 126, 209) }
```

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

```
.border{ border-color:rgb(96, 126, 209) }
```

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

Here you see how a box with a 4 pixel rgb(96, 126, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 126, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 126, 209);  
box-shadow:4px 4px 4px 4px rgb(96, 126,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0120, 0.2180, 0.2017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 126, 209) }
```

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

```
.background{ background-color: rgb(96, 126,  
209) }
```

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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