

Converting Colors

$Y_{xy}(22.7527, 0.2053, 0.1688)$

Have a look what the booklet for
Yxy(22.7527, 0.2053, 0.1688)
contains.

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Color

Yxy(22.8604, 0.2055, 0.1690)

Conversions

Conversions Part 1

Format	Color
Hex	647AEF
RGB	100, 122, 239
RGB Percent	39%, 48%, 94%
CMY	0.6077, 0.5216, 0.0627
CMYK	0.58, 0.49, 0.00, 0.06
HSL	231°, 81%, 66%
HSV	231°, 58%, 94%
XYZ	27.7977, 22.8604, 84.6105
YIQ	128.7600, -50.6690, 31.7230

Conversions

Conversions Part 2

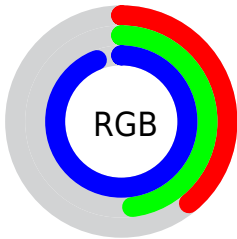
Format	Color
R _Y B	100, 119, 239
Decimal	6585071
CIE _{Lab}	54.93, 26.16, -61.58
CIE _{LCh}	55, 66.911, 293.019
Y _{xy}	22.8604, 0.2055, 0.1690
Android (android.graphics.Color)	4284775151 (0xFF647AEF)
YUV	128.7600, 54.3483, -25.2225
Hunter-Lab	47.8126, 20.1060, -71.4526

Details

The Yxy color **22.8604, 0.2055, 0.1690** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **68.9210, 0.4081, 0.4484**, and the grayscale version is **21.6874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9657, 0.2465, 0.2325**, and **8.4691, 0.1733, 0.1302** is the 20% darker color. If you saturate the color by 10%, you get **17.2514, 0.1875, 0.1388**, and if you desaturate by 10%, it is **29.8936, 0.2251, 0.2005**.

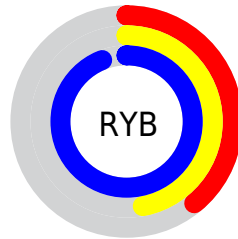
Distribution



Red (39%)

Green (48%)

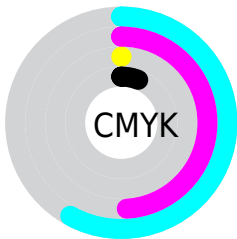
Blue (94%)



Red (39%)

Yellow (47%)

Blue (94%)

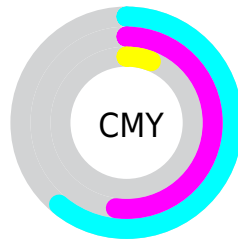


Cyan (58%)

Magenta (49%)

Yellow (0%)

Black (6%)



Cyan (61%)

Magenta (52%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8604, 0.2055, 0.1690 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 22.8604, 0.2055, 0.1690 by changing the saturation by 10% instead.


 22.8604, 0.2055,
0.1690


 22.8604, 0.2055,
0.1690


267.0072, 0.2623,
0.2470


 14.4905, 0.1912,
0.1513


 48.1640, 0.2264,
0.1962

 8.4626, 0.1732,
0.1300

 65.8665, 0.2342,
0.2068

 4.3923, 0.1501,
0.1043


 87.4485, 0.2408,
0.2159

 1.8954, 0.1203,
0.0740

 113.2946, 0.2464,
0.2238

 0.5456, 0.0831,
0.0378

143.7892, 0.2512,
0.2307

 0.0000, 0.0146,
0.0000

179.3165, 0.2554,

 0.0000, 0.0000,

0.2368

0.0000

220.2610, 0.2591,
0.2422

■ 22.8604, 0.2055,
0.1690

■ 22.8604, 0.2055,
0.1690

■ 17.2514, 0.1875,
0.1388

■ 29.8936, 0.2251,
0.2005

■ 12.9649, 0.1723,
0.1117

■ 38.4387, 0.2452,
0.2314

■ 9.8881, 0.1611,
0.0897

■ 48.5789, 0.2648,
0.2607


■ 7.8814, 0.1542,
0.0739

■ 60.3904, 0.2832,
0.2875

■ 7.6034, 0.1532,
0.0716

■ 73.9446, 0.3001,
0.3115

 89.3087, 0.3154,
0.3327

 99.0122, 0.3220,
0.3444

Harmonies

Analogous

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



22.8604, 0.1492, 0.1701



22.8604, 0.2055, 0.1690



22.8604, 0.3023, 0.1962

Triad

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



22.8604, 0.2055, 0.1690



22.8604, 0.5356, 0.3888



22.8604, 0.1947, 0.4271

Complementary

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



22.8604, 0.2055, 0.1690



68.9210, 0.4081, 0.4484

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.



22.8604, 0.2867, 0.5368



22.8604, 0.2055, 0.1690



22.8604, 0.4823, 0.4690

Square

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



22.8604, 0.2055, 0.1690



22.8604, 0.5188, 0.3148



22.8604, 0.3907, 0.5377



22.8604, 0.1410, 0.2914

Rectangle

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



22.8604, 0.2055, 0.1690



22.8604, 0.3838, 0.2283



22.8604, 0.3907, 0.5377



22.8604, 0.2221, 0.4727

Sweetspot

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



22.8611, 0.2055, 0.1690



71.5674, 0.2851, 0.2902



69.3958, 0.2505, 0.3585



14.6842, 0.2815, 0.2851



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.



22.8611, 0.2055, 0.1690



18.8201, 0.1840, 0.1327



21.4973, 0.2329, 0.1561



15.6320, 0.2980, 0.3085



4.3232, 0.1538, 0.0735



0.4789, 0.1595, 0.0940

Inverse Universe

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



28.8775, 0.4634, 0.3065



27.5119, 0.5152, 0.3055



73.9511, 0.3613, 0.4850



15.7996, 0.3268, 0.3253



10.2298, 0.6176, 0.3176



0.8631, 0.5850, 0.2996

Previews

White Background



This preview shows how the Yxy color 22.8604, 0.2055, 0.1690 looks on a white background.

Color Contrast Check

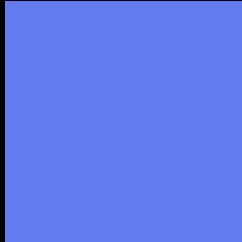
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8604, 0.2055, 0.1690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

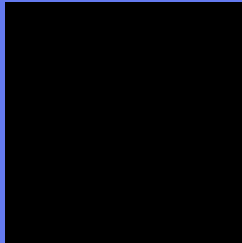
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8604, 0.2055, 0.1690

Background



This preview shows how black text looks on a background with the Yxy color 22.8604, 0.2055, 0.1690.



This preview shows how white text looks on a background with the Yxy color 22.8604, 0.2055, 0.1690.

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

22.8604, 0.2055, 0.1690

Protanopia

22.9756, 0.1911, 0.1665

Deuteranopia

22.8764, 0.1830, 0.1773



Tritanopia

22.8029, 0.2373, 0.3060

Trichromacy



Original Color

22.8604, 0.2055, 0.1690

Protanomaly

22.7835, 0.1954, 0.1670

Deuteranomaly

22.2864, 0.1857, 0.1721

Tritanomaly

22.4504, 0.2231, 0.2436

Monochromacy



Original Color

22.8604, 0.2055, 0.1690

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.6378, 0.2621, 0.2567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8604, 0.2055, 0.1690 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(100, 122, 239)` looks like.

```
.text, #text, p{  
    color:rgb(100, 122, 239)  
}
```

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(100, 122, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 122, 239) }
```

Border

The CSS property to change the border of an element to Yxy 22.8604, 0.2055, 0.1690 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(100, 122, 239) }
```

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

```
.border{ border-color:rgb(100, 122, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 122, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 122, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 122, 239);  
box-shadow:4px 4px 4px 4px rgb(100, 122,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8604, 0.2055, 0.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 122, 239) }
```

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

```
.background{ background-color: rgb(100,  
122, 239) }
```

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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