

Converting Colors

$Y_{xy}(22.3738, 0.1944, 0.1617)$

Have a look what the booklet for
Yxy(22.3738, 0.1944, 0.1617)
contains.

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Color

$Y_{xy}(22.3055, 0.1944, 0.1611)$

Conversions

Conversions Part 1	
Format	Color
Hex	527AF5
RGB	82, 122, 245
RGB Percent	32%, 48%, 96%
CMY	0.6783, 0.5215, 0.0394
CMYK	0.67, 0.50, 0.00, 0.04
HSL	225°, 89%, 64%
HSV	225°, 67%, 96%
XYZ	26.9161, 22.3055, 89.2358
YIQ	124.0620, -63.3230, 29.7730

Conversions

Conversions Part 2

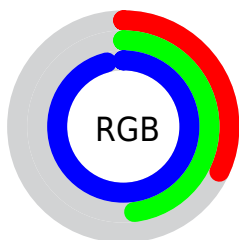
Format	Color
RYB	82, 114, 245
Decimal	5405429
CIELab	54.35, 25.11, -65.87
CIELCh	54, 70.496, 290.868
Yxy	22.3055, 0.1944, 0.1611
Android (android.graphics.Color)	4283595509 (0xFF527AF5)
YUV	124.0620, 59.6224, -36.8884
Hunter-Lab	47.2287, 19.0788, -78.9649

Details

The Yxy color **22.3055, 0.1944, 0.1611** is a light color, and the websafe version is hex **3366CC**. The color can be described as light muted azure. A complement of this color would be **63.6634, 0.4304, 0.4492**, and the grayscale version is **19.9943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6951, 0.2385, 0.2305**, and **8.5284, 0.1678, 0.1242** is the 20% darker color. If you saturate the color by 10%, you get **17.2806, 0.1792, 0.1341**, and if you desaturate by 10%, it is **28.5868, 0.2119, 0.1897**.

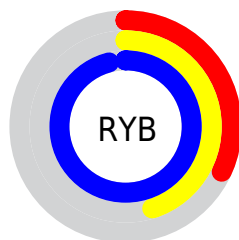
Distribution



Red (32%)

Green (48%)

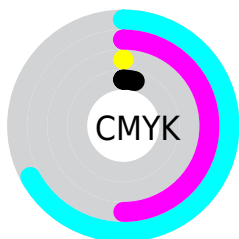
Blue (96%)



Red (32%)

Yellow (45%)

Blue (96%)

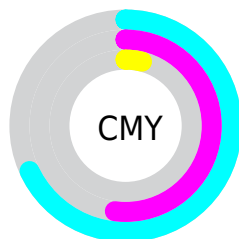


Cyan (67%)

Magenta (50%)

Yellow (0%)

Black (4%)



Cyan (68%)


Magenta (52%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3055, 0.1944, 0.1611 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 22.3055, 0.1944, 0.1611 by changing the saturation by 10% instead.


 22.3055, 0.1944,
0.1611


 22.3055, 0.1944,
0.1611

264.1375, 0.2564,
0.2424


 14.0815, 0.1791,
0.1430


 47.2504, 0.2170,
0.1893


 8.1774, 0.1601,
0.1213


 64.7401, 0.2255,
0.2003

 4.2087, 0.1362,
0.0956


 86.0873, 0.2327,
0.2098

 1.7910, 0.1062,
0.0660

 111.6762, 0.2389,
0.2181

 0.4815, 0.0701,
0.0309

141.8913, 0.2442,
0.2253

 0.0000, 0.0023,
0.0000


177.1169, 0.2488,


 0.0000, 0.0000,

0.2317

0.0000


217.7376, 0.2529,
0.2374


 22.3055, 0.1944,
0.1611


 22.3055, 0.1944,
0.1611

 17.2806, 0.1792,
0.1341


 28.5868, 0.2119,
0.1897


 13.4171, 0.1673,
0.1103


 36.2052, 0.2306,
0.2184

 10.6066, 0.1592,
0.0910


 45.2364, 0.2497,
0.2461

 9.8331, 0.1571,
0.0853

 55.7499, 0.2684,
0.2720

 67.8101, 0.2862,
0.2955

 81.4776, 0.3027,
0.3166

 96.8098, 0.3178,
0.3352

 99.3698, 0.3185,
0.3386

Harmonies

Analogous

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



22.3055, 0.1393, 0.1641



22.3055, 0.1944, 0.1611



22.3055, 0.2925, 0.1872

Triad

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



22.3055, 0.1944, 0.1611



22.3055, 0.5484, 0.3826



22.3055, 0.1933, 0.4446

Complementary

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



22.3055, 0.1944, 0.1611



63.6634, 0.4304, 0.4492

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.



22.3055, 0.2908, 0.5556



22.3055, 0.1944, 0.1611



22.3055, 0.4942, 0.4664

Square

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



22.3055, 0.1944, 0.1611



22.3055, 0.5263, 0.3070



22.3055, 0.3992, 0.5443



22.3055, 0.1352, 0.2967

Rectangle

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



22.3055, 0.1944, 0.1611



22.3055, 0.3780, 0.2192



22.3055, 0.3992, 0.5443



22.3055, 0.2226, 0.4928

Sweetspot

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



22.3061, 0.1944, 0.1611



69.4335, 0.2801, 0.2875



71.4426, 0.2515, 0.3819



14.0645, 0.2751, 0.2809



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.



22.3061, 0.1944, 0.1611



17.2430, 0.1745, 0.1250



16.8217, 0.2084, 0.1269



16.5872, 0.2979, 0.3106



5.4807, 0.1577, 0.0878



0.6369, 0.1642, 0.1109

Inverse Universe

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



26.8484, 0.4786, 0.2909



24.5684, 0.5327, 0.2923



78.7556, 0.3743, 0.4986



16.5492, 0.3255, 0.3232



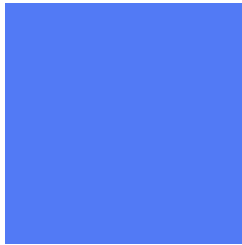
10.6526, 0.5946, 0.3049



0.9519, 0.5597, 0.2857

Previews

White Background



This preview shows how the Yxy color 22.3055, 0.1944, 0.1611 looks on a white background.

Color Contrast Check

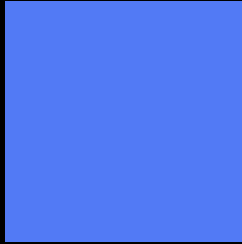
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3055, 0.1944, 0.1611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

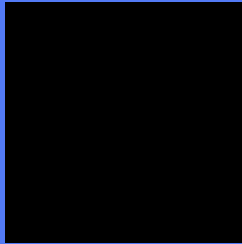
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

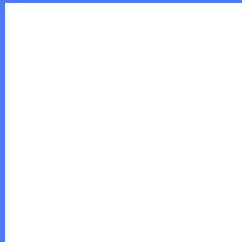
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.3055, 0.1944, 0.1611

Background



This preview shows how black text looks on a background with the Yxy color 22.3055, 0.1944, 0.1611.



This preview shows how white text looks on a background with the Yxy color 22.3055, 0.1944, 0.1611.

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

22.3055, 0.1944, 0.1611

Protanopia

22.3441, 0.1857, 0.1595

Deuteranopia

22.3287, 0.1831, 0.1792



Tritanopia

22.0115, 0.2181, 0.3050

Trichromacy



Original Color

22.3055, 0.1944, 0.1611

Protanomaly

22.3240, 0.1885, 0.1600

Deuteranomaly

21.8288, 0.1832, 0.1699

Tritanomaly

21.2348, 0.2026, 0.2354

Monochromacy



Original Color

22.3055, 0.1944, 0.1611

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.2443, 0.2539, 0.2512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3055, 0.1944, 0.1611 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(82, 122, 245) looks like.

```
.text, #text, p{  
    color:rgb(82, 122, 245)  
}
```

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(82, 122, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 245) }
```

Border

The CSS property to change the border of an element to Yxy 22.3055, 0.1944, 0.1611 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(82, 122, 245) }
```

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

```
.border{ border-color:rgb(82, 122, 245) }
```

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

Here you see how a box with a 4 pixel rgb(82, 122, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 245);  
box-shadow:4px 4px 4px 4px rgb(82, 122,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3055, 0.1944, 0.1611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 245) }
```

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

```
.background{ background-color: rgb(82, 122,  
245) }
```

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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