

Converting Colors

$Y_{xy}(23.7904, 0.2038, 0.1745)$

Have a look what the booklet for
Yxy(23.7904, 0.2038, 0.1745)
contains.

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Color

Yxy(23.7904, 0.2038, 0.1745)

Conversions

Conversions Part 1

Format	Color
Hex	5E7FEF
RGB	94, 127, 239
RGB Percent	37%, 50%, 94%
CMY	0.6311, 0.5020, 0.0629
CMYK	0.61, 0.47, 0.00, 0.06
HSL	226°, 82%, 65%
HSV	226°, 61%, 94%
XYZ	27.7850, 23.7904, 84.7593
YIQ	129.9010, -55.6200, 27.8360

Conversions

Conversions Part 2

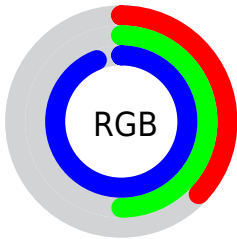
Format	Color
R_{YB}	94, 121, 239
Decimal	6193135
CIE _{Lab}	55.88, 22.02, -60.05
CIE _{LCh}	56, 63.965, 290.139
Yxy	23.7904, 0.2038, 0.1745
Android (android.graphics.Color)	4284383215 (0xFF5E7FEF)
YUV	129.9010, 53.7858, -31.4852
Hunter-Lab	48.7754, 16.3259, -68.8882

Details

The Yxy color **23.7904, 0.2038, 0.1745** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **63.3081, 0.4183, 0.4437**, and the grayscale version is **22.1127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4288, 0.2443, 0.2379**, and **8.9887, 0.1717, 0.1369** is the 20% darker color. If you saturate the color by 10%, you get **18.3762, 0.1870, 0.1460**, and if you desaturate by 10%, it is **30.4710, 0.2224, 0.2039**.

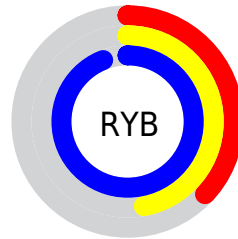
Distribution



Red (37%)

Green (50%)

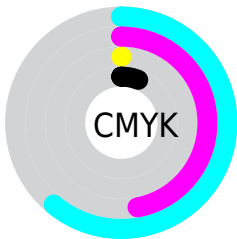
Blue (94%)



Red (37%)

Yellow (47%)

Blue (94%)

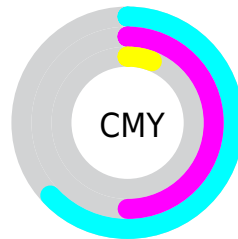


Cyan (61%)

Magenta (47%)

Yellow (0%)

Black (6%)



Cyan (63%)


Magenta (50%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7904, 0.2038, 0.1745 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 23.7904, 0.2038, 0.1745 by changing the saturation by 10% instead.


 23.7904, 0.2038,
0.1745


 23.7904, 0.2038,
0.1745


271.7591, 0.2610,
0.2502


 15.1782, 0.1895,
0.1572


 49.6879, 0.2248,
0.2010


 8.9446, 0.1716,
0.1362


 67.7421, 0.2326,
0.2113

 4.7050, 0.1486,
0.1107


 89.7124, 0.2393,
0.2202

 2.0753, 0.1191,
0.0802

 115.9831, 0.2449,
0.2278

 0.6507, 0.0821,
0.0447

146.9388, 0.2498,
0.2345

 0.0000, 0.0144,
0.0000

182.9637, 0.2540,

 0.0000, 0.0000,

0.2403

0.0000

224.4424, 0.2577,
0.2455

■ 23.7904, 0.2038,
0.1745

■ 23.7904, 0.2038,
0.1745

■ 18.3762, 0.1870,
0.1460

■ 30.4710, 0.2224,
0.2039

■ 14.1410, 0.1730,
0.1200

■ 38.4926, 0.2416,
0.2327

■ 10.9885, 0.1626,
0.0981

■ 47.9265, 0.2607,
0.2600

■ 8.8978, 0.1562,
0.0822

■ 58.8378, 0.2790,
0.2851

■ 71.2878, 0.2961,
0.3077

■ 85.3340, 0.3118,
0.3278

■ 99.0098, 0.3221,
0.3444

Harmonies

Analogous

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



23.7904, 0.1526, 0.1789



23.7904, 0.2038, 0.1745



23.7904, 0.2930, 0.1983

Triad

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



23.7904, 0.2038, 0.1745



23.7904, 0.5268, 0.3817



23.7904, 0.2084, 0.4338

Complementary

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



23.7904, 0.2038, 0.1745



63.3081, 0.4183, 0.4437

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.



23.7904, 0.2993, 0.5283



23.7904, 0.2038, 0.1745



23.7904, 0.4830, 0.4578

Square

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



23.7904, 0.2038, 0.1745



23.7904, 0.5018, 0.3103



23.7904, 0.3987, 0.5233



23.7904, 0.1520, 0.3052

Rectangle

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



23.7904, 0.2038, 0.1745



23.7904, 0.3690, 0.2280



23.7904, 0.3987, 0.5233



23.7904, 0.2359, 0.4744

Sweetspot

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



23.7911, 0.2038, 0.1745



71.7318, 0.2835, 0.2912



68.5090, 0.2533, 0.3730



14.4957, 0.2784, 0.2843



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.



23.7911, 0.2038, 0.1745



19.8844, 0.1830, 0.1389



19.2084, 0.2209, 0.1453



15.8116, 0.2980, 0.3102



5.0811, 0.1568, 0.0845



0.5681, 0.1634, 0.1083

Inverse Universe

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



27.8928, 0.4596, 0.2952



26.6491, 0.5099, 0.2939



74.8440, 0.3695, 0.4870



15.8177, 0.3257, 0.3237



10.3063, 0.5998, 0.3078



0.8721, 0.5635, 0.2878

Previews

White Background



This preview shows how the Yxy color 23.7904, 0.2038, 0.1745 looks on a white background.

Color Contrast Check

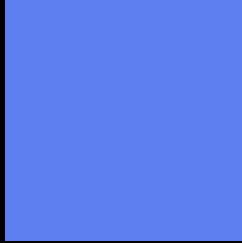
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7904, 0.2038, 0.1745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

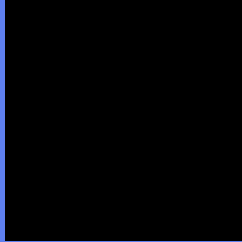
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7904, 0.2038, 0.1745

Background



This preview shows how black text looks on a background with the Yxy color 23.7904, 0.2038, 0.1745.



This preview shows how white text looks on a background with the Yxy color 23.7904, 0.2038, 0.1745.

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

23.7904, 0.2038, 0.1745

Protanopia

23.9958, 0.1962, 0.1734

Deuteranopia

23.8174, 0.1871, 0.1806



Tritanopia

23.8671, 0.2320, 0.3062

Trichromacy



Original Color

23.7904, 0.2038, 0.1745

Protanomaly

23.9362, 0.1988, 0.1738

Deuteranomaly

23.5454, 0.1907, 0.1770

Tritanomaly

23.3552, 0.2193, 0.2471

Monochromacy



Original Color

23.7904, 0.2038, 0.1745

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.3847, 0.2610, 0.2603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7904, 0.2038, 0.1745 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(94, 127, 239)` looks like.

```
.text, #text, p{  
    color:rgb(94, 127, 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(94, 127, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 127, 239) }
```

Border

The CSS property to change the border of an element to Yxy 23.7904, 0.2038, 0.1745 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(94, 127, 239) }
```

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

```
.border{ border-color:rgb(94, 127, 239) }
```

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

Here you see how a box with a 4 pixel rgb(94, 127, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 127, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 127, 239);  
box-shadow:4px 4px 4px 4px rgb(94, 127,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7904, 0.2038, 0.1745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 127, 239) }
```

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

```
.background{ background-color: rgb(94, 127,  
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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