

Converting Colors

$Y_{xy}(23.8900, 0.2117, 0.1660)$

Have a look what the booklet for
Yxy(23.8900, 0.2117, 0.1660)
contains.

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Color

Yxy(23.9803, 0.2121, 0.1666)

Conversions

Conversions Part 1

Format	Color
Hex	7479F5
RGB	116, 121, 245
RGB Percent	45%, 47%, 96%
CMY	0.5449, 0.5256, 0.0391
CMYK	0.53, 0.51, 0.00, 0.04
HSL	238°, 87%, 71%
HSV	238°, 53%, 96%
XYZ	30.5295, 23.9803, 89.4295
YIQ	133.6410, -42.7840, 37.5040

Conversions

Conversions Part 2

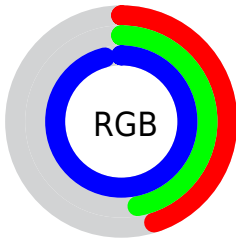
Format	Color
R _Y B	116, 121, 245
Decimal	7633397
CIE Lab	56.07, 31.79, -63.04
CIE LCh	56, 70.604, 296.756
Yxy	23.9803, 0.2121, 0.1666
Android (android.graphics.Color)	4285823477 (0xFF7479F5)
YUV	133.6410, 54.9000, -15.4712
Hunter-Lab	48.9697, 25.5867, -73.9979

Details

The Yxy color **23.9803, 0.2121, 0.1666** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **83.0612, 0.3917, 0.4518**, and the grayscale version is **23.5117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2211, 0.2562, 0.2337**, and **9.0997, 0.1817, 0.1289** is the 20% darker color. If you saturate the color by 10%, you get **17.4726, 0.1920, 0.1333**, and if you desaturate by 10%, it is **32.3311, 0.2334, 0.2015**.

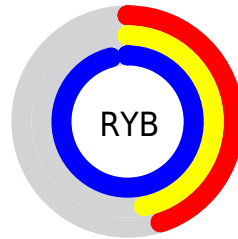
Distribution



Red (45%)

Green (47%)

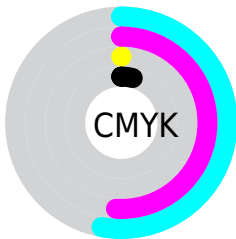
Blue (96%)



Red (45%)

Yellow (47%)

Blue (96%)

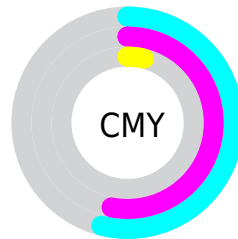


Cyan (53%)

Magenta (51%)

Yellow (0%)

Black (4%)



Cyan (54%)


Magenta (53%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9803, 0.2121, 0.1666 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 23.9803, 0.2121, 0.1666 by changing the saturation by 10% instead.


 23.9803, 0.2121,
0.1666


 23.9803, 0.2121,
0.1666


272.7209, 0.2655,
0.2445


 15.3190, 0.1987,
0.1492


 49.9981, 0.2318,
0.1935

 9.0436, 0.1817,
0.1285


 68.1233, 0.2391,
0.2041

 4.7696, 0.1598,
0.1036


 90.1720, 0.2453,
0.2132

 2.1127, 0.1316,
0.0744

116.5285, 0.2506,
0.2211

 0.6718, 0.0954,
0.0412

147.5773, 0.2551,
0.2280

 0.0000, 0.0432,
0.0000

183.7027, 0.2590,

 0.0000, 0.0000,

0.2341

0.0000

225.2891, 0.2625,
0.2396

■ 23.9803, 0.2121,
0.1666

■ 23.9803, 0.2121,
0.1666

■ 17.4726, 0.1920,
0.1333

■ 32.3311, 0.2334,
0.2015

■ 12.6665, 0.1746,
0.1041

■ 42.6476, 0.2545,
0.2357

■ 9.4034, 0.1615,
0.0816

■ 55.0448, 0.2744,
0.2679

■ 7.4942, 0.1535,
0.0672

■ 69.6279, 0.2926,
0.2970

■ 6.7976, 0.1505,
0.0617

■ 86.4951, 0.3088,
0.3228

99.3744, 0.3185,
0.3386

Harmonies

Analogous

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



23.9803, 0.1497, 0.1638



23.9803, 0.2121, 0.1666



23.9803, 0.3167, 0.1977

Triad

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



23.9803, 0.2121, 0.1666



23.9803, 0.5388, 0.3985



23.9803, 0.1810, 0.4122

Complementary

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



23.9803, 0.2121, 0.1666



83.0612, 0.3917, 0.4518

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.



23.9803, 0.2714, 0.5375



23.9803, 0.2121, 0.1666



23.9803, 0.4758, 0.4817

Square

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



23.9803, 0.2121, 0.1666



23.9803, 0.5332, 0.3222



23.9803, 0.3782, 0.5501



23.9803, 0.1323, 0.2749

Rectangle

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



23.9803, 0.2121, 0.1666



23.9803, 0.4023, 0.2324



23.9803, 0.3782, 0.5501



23.9803, 0.2073, 0.4618

Sweetspot

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



23.9811, 0.2121, 0.1666



70.5344, 0.2866, 0.2874



75.2471, 0.2477, 0.3366



14.3863, 0.2829, 0.2815



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.



23.9811, 0.2121, 0.1666



18.8263, 0.1910, 0.1317



28.1069, 0.2545, 0.1779



16.0281, 0.2979, 0.3055



3.7059, 0.1507, 0.0623



0.3608, 0.1523, 0.0683

Inverse Universe

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



33.3010, 0.4613, 0.3243



30.2574, 0.5098, 0.3241



77.1490, 0.3478, 0.4765



16.4928, 0.3288, 0.3281



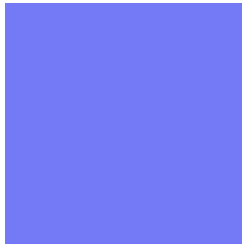
10.4735, 0.6361, 0.3278



0.9241, 0.6261, 0.3223

Previews

White Background



This preview shows how the Yxy color 23.9803, 0.2121, 0.1666 looks on a white background.

Color Contrast Check

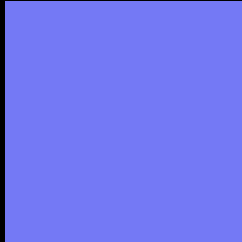
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9803, 0.2121, 0.1666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

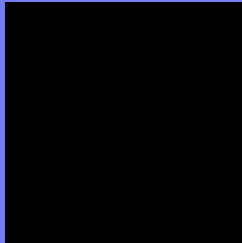
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9803, 0.2121, 0.1666

Background



This preview shows how black text looks on a background with the Yxy color 23.9803, 0.2121, 0.1666.

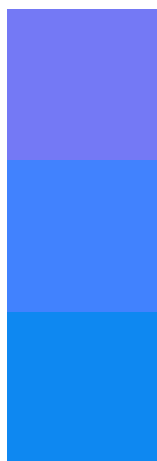


This preview shows how white text looks on a background with the Yxy color 23.9803, 0.2121, 0.1666.

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

23.9803, 0.2121, 0.1666

Protanopia

24.2448, 0.1879, 0.1624

Deuteranopia

24.0526, 0.1835, 0.1776



Tritanopia

23.9564, 0.2511, 0.3086

Trichromacy



Original Color

23.9803, 0.2121, 0.1666

Protanomaly

24.0286, 0.1948, 0.1634

Deuteranomaly

23.3472, 0.1875, 0.1716

Tritanomaly

23.4572, 0.2341, 0.2434

Monochromacy



Original Color

23.9803, 0.2121, 0.1666

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.2685, 0.2671, 0.2563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9803, 0.2121, 0.1666 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(116, 121, 245)` looks like.

```
.text, #text, p{  
    color:rgb(116, 121, 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(116, 121, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 121, 245) }
```

Border

The CSS property to change the border of an element to Yxy 23.9803, 0.2121, 0.1666 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(116, 121, 245) }
```

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

```
.border{ border-color:rgb(116, 121, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 121, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 121, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 121, 245);  
box-shadow:4px 4px 4px 4px rgb(116, 121,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9803, 0.2121, 0.1666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 121, 245) }
```

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

```
.background{ background-color: rgb(116,  
121, 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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