

Converting Colors

$Y_{xy}(23.9429, 0.2092, 0.1662)$

Have a look what the booklet for
Yxy(23.9429, 0.2092, 0.1662)
contains.

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Color

Yxy(23.9524, 0.2089, 0.1660)

Conversions

Conversions Part 1

Format	Color
Hex	6F7AF6
RGB	111, 122, 246
RGB Percent	44%, 48%, 96%
CMY	0.5648, 0.5215, 0.0354
CMYK	0.55, 0.50, 0.00, 0.04
HSL	235°, 88%, 70%
HSV	235°, 55%, 96%
XYZ	30.1425, 23.9524, 90.1967
YIQ	132.8470, -46.3600, 36.2320

Conversions

Conversions Part 2

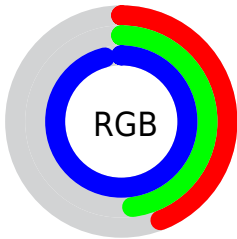
Format	Color
R _Y B	111, 121, 246
Decimal	7305974
CIE Lab	56.04, 30.45, -63.63
CIE LCh	56, 70.539, 295.577
Yxy	23.9524, 0.2089, 0.1660
Android (android.graphics.Color)	4285496054 (0xFF6F7AF6)
YUV	132.8470, 55.7844, -19.1598
Hunter-Lab	48.9412, 24.2897, -75.0103

Details

The Yxy color **23.9524, 0.2089, 0.1660** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **80.1068, 0.3976, 0.4515**, and the grayscale version is **23.2029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1500, 0.2537, 0.2342**, and **9.0853, 0.1780, 0.1281** is the 20% darker color. If you saturate the color by 10%, you get **17.6543, 0.1896, 0.1338**, and if you desaturate by 10%, it is **31.9797, 0.2296, 0.1997**.

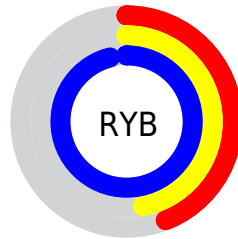
Distribution



Red (44%)

Green (48%)

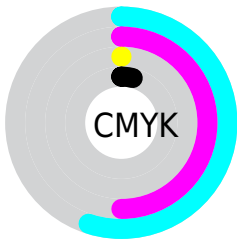
Blue (96%)



Red (44%)

Yellow (47%)

Blue (96%)

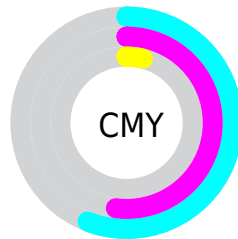


Cyan (55%)

Magenta (50%)

Yellow (0%)

Black (4%)



Cyan (56%)


Magenta (52%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9524, 0.2089, 0.1660 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 23.9524, 0.2089, 0.1660 by changing the saturation by 10% instead.


 23.9524, 0.2089,
0.1660


 23.9524, 0.2089,
0.1660


272.5797, 0.2638,
0.2442


 15.2983, 0.1952,
0.1486


 49.9525, 0.2291,
0.1930

 9.0290, 0.1779,
0.1277


 68.0673, 0.2366,
0.2036

 4.7601, 0.1558,
0.1028


 90.1045, 0.2430,
0.2128

 2.1072, 0.1273,
0.0737

116.4485, 0.2484,
0.2207

 0.6687, 0.0912,
0.0406

147.4836, 0.2530,
0.2277

 0.0000, 0.0384,
0.0000

183.5942, 0.2571,

 0.0000, 0.0000,

0.2338

0.0000

225.1648, 0.2606,
0.2393

■ 23.9524, 0.2089,
0.1660

■ 23.9524, 0.2089,
0.1660

■ 17.6543, 0.1896,
0.1338

■ 31.9797, 0.2296,
0.1997

■ 12.9556, 0.1731,
0.1055

■ 41.8487, 0.2504,
0.2328

■ 9.7116, 0.1608,
0.0834

■ 53.6647, 0.2703,
0.2641

■ 7.7502, 0.1534,
0.0687

■ 67.5249, 0.2887,
0.2925

■ 7.1565, 0.1511,
0.0641

■ 83.5195, 0.3053,
0.3178

99.4318, 0.3179,
0.3377

Harmonies

Analogous

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



23.9524, 0.1481, 0.1643



23.9524, 0.2089, 0.1660



23.9524, 0.3119, 0.1960

Triad

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



23.9524, 0.2089, 0.1660



23.9524, 0.5400, 0.3954



23.9524, 0.1839, 0.4181

Complementary

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



23.9524, 0.2089, 0.1660



80.1068, 0.3976, 0.4515

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.



23.9524, 0.2756, 0.5403



23.9524, 0.2089, 0.1660



23.9524, 0.4791, 0.4784

Square

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



23.9524, 0.2089, 0.1660



23.9524, 0.5310, 0.3194



23.9524, 0.3824, 0.5483



23.9524, 0.1335, 0.2793

Rectangle

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



23.9524, 0.2089, 0.1660



23.9524, 0.3972, 0.2301



23.9524, 0.3824, 0.5483



23.9524, 0.2108, 0.4673

Sweetspot

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



23.9532, 0.2089, 0.1660



71.4497, 0.2867, 0.2894



75.2514, 0.2478, 0.3425



14.6008, 0.2830, 0.2837



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.



23.9532, 0.2089, 0.1660



18.4364, 0.1873, 0.1301



26.2546, 0.2474, 0.1696



16.1445, 0.2979, 0.3065



3.8997, 0.1515, 0.0652



0.4163, 0.1549, 0.0774

Inverse Universe

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



32.3557, 0.4639, 0.3181



28.9571, 0.5148, 0.3175



77.9500, 0.3517, 0.4812



16.5045, 0.3281, 0.3271



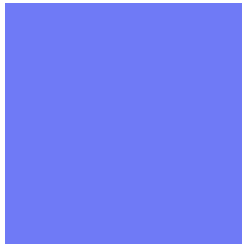
10.4930, 0.6312, 0.3251



0.9297, 0.6111, 0.3140

Previews

White Background



This preview shows how the Yxy color 23.9524, 0.2089, 0.1660 looks on a white background.

Color Contrast Check

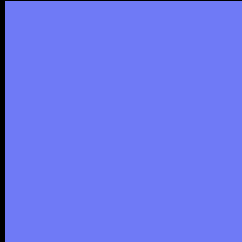
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9524, 0.2089, 0.1660 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 23.9524, 0.2089, 0.1660

Background



This preview shows how black text looks on a background with the Yxy color 23.9524, 0.2089, 0.1660.



This preview shows how white text looks on a background with the Yxy color 23.9524, 0.2089, 0.1660.

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

23.9524, 0.2089, 0.1660

Protanopia

24.2448, 0.1879, 0.1624

Deuteranopia

23.9592, 0.1826, 0.1772



Tritanopia

23.9328, 0.2453, 0.3084

Trichromacy



Original Color

23.9524, 0.2089, 0.1660

Protanomaly

23.9376, 0.1940, 0.1631

Deuteranomaly

23.1548, 0.1847, 0.1699

Tritanomaly

23.4128, 0.2291, 0.2428

Monochromacy



Original Color

23.9524, 0.2089, 0.1660

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.1165, 0.2652, 0.2560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9524, 0.2089, 0.1660 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(111, 122, 246)` looks like.

```
.text, #text, p{  
    color:rgb(111, 122, 246)  
}
```

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(111, 122, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 122, 246) }
```

Border

The CSS property to change the border of an element to Yxy 23.9524, 0.2089, 0.1660 is called "border". The border property can be set on classes, ids or directly on the HTML element.

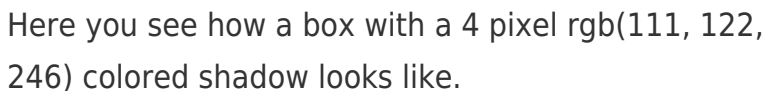
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 122, 246) }
```

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

```
.border{ border-color:rgb(111, 122, 246) }
```

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



Here you see how a box with a 4 pixel rgb(111, 122, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 122, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 122, 246);  
box-shadow:4px 4px 4px 4px rgb(111, 122,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9524, 0.2089, 0.1660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 122, 246) }
```

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

```
.background{ background-color: rgb(111,  
122, 246) }
```

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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