

Converting Colors

$Y_{xy}(23.5768, 0.2109, 0.1613)$

Have a look what the booklet for
Yxy(23.5768, 0.2109, 0.1613)
contains.

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Color

Yxy(23.5161, 0.2107, 0.1611)

Conversions

Conversions Part 1

Format	Color
Hex	7576F8
RGB	117, 118, 248
RGB Percent	46%, 46%, 97%
CMY	0.5411, 0.5372, 0.0276
CMYK	0.53, 0.52, 0.00, 0.03
HSL	240°, 90%, 72%
HSV	240°, 53%, 97%
XYZ	30.7563, 23.5161, 91.6997
YIQ	132.5210, -42.3260, 40.2180

Conversions

Conversions Part 2

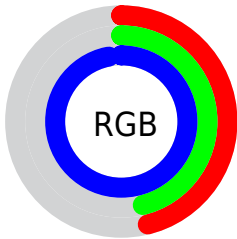
Format	Color
R_{YB}	117, 118, 248
Decimal	7698168
CIE _{Lab}	55.60, 34.65, -65.42
CIE _{LCh}	56, 74.032, 297.906
Yxy	23.5161, 0.2107, 0.1611
Android (android.graphics.Color)	4285888248 (0xFF7576F8)
YUV	132.5210, 56.9311, -13.6119
Hunter-Lab	48.4934, 28.3479, -78.1703

Details

The Yxy color **23.5161, 0.2107, 0.1611** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **87.7555, 0.3900, 0.4553**, and the grayscale version is **23.0767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3166, 0.2572, 0.2305**, and **8.8457, 0.1797, 0.1227** is the 20% darker color. If you saturate the color by 10%, you get **16.9600, 0.1904, 0.1275**, and if you desaturate by 10%, it is **32.0405, 0.2323, 0.1968**.

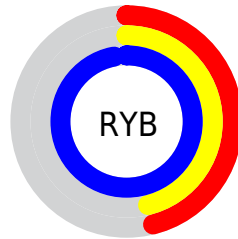
Distribution



Red (46%)

Green (46%)

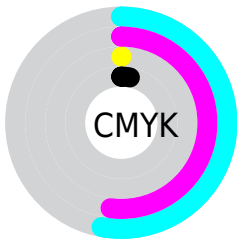
Blue (97%)



Red (46%)

Yellow (46%)

Blue (97%)

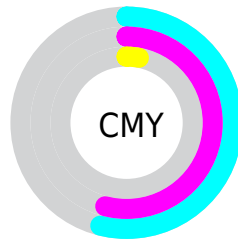


Cyan (53%)

Magenta (52%)

Yellow (0%)

Black (3%)



Cyan (54%)


Magenta (54%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5161, 0.2107, 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 23.5161, 0.2107, 0.1611 by changing the saturation by 10% instead.


 23.5161, 0.2107,
0.1611

 23.5161, 0.2107,
0.1611


270.3648, 0.2650,
0.2410


 14.9751, 0.1971,
0.1435


 49.2394, 0.2307,
0.1886

 8.8019, 0.1799,
0.1226


 67.1904, 0.2381,
0.1994

 4.6122, 0.1579,
0.0978


 89.0469, 0.2444,
0.2087

 2.0216, 0.1295,
0.0690

115.1932, 0.2498,
0.2169

 0.6200, 0.0936,
0.0366

146.0138, 0.2544,
0.2240

 0.0000, 0.0432,
0.0000

181.8930, 0.2584,

 0.0000, 0.0000,

0.2303

0.0000

223.2152, 0.2619,
0.2360

■ 23.5161, 0.2107,
0.1611

■ 23.5161, 0.2107,
0.1611

■ 16.9600, 0.1904,
0.1275

■ 32.0405, 0.2323,
0.1968

■ 12.2130, 0.1731,
0.0988

■ 42.6710, 0.2537,
0.2321

■ 9.0949, 0.1603,
0.0774

■ 55.5357, 0.2739,
0.2653

■ 7.3871, 0.1527,
0.0647

■ 70.7519, 0.2923,
0.2954

■ 6.8154, 0.1501,
0.0603

■ 88.4285, 0.3085,
0.3221

99.5554, 0.3168,
0.3357

Harmonies

Analogous

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



23.5161, 0.1451, 0.1567



23.5161, 0.2107, 0.1611



23.5161, 0.3214, 0.1941

Triad

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



23.5161, 0.2107, 0.1611



23.5161, 0.5467, 0.4013



23.5161, 0.1714, 0.4104

Complementary

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



23.5161, 0.2107, 0.1611



87.7555, 0.3900, 0.4553

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.



23.5161, 0.2634, 0.5479



23.5161, 0.2107, 0.1611



23.5161, 0.4769, 0.4888

Square

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



23.5161, 0.2107, 0.1611



23.5161, 0.5463, 0.3229



23.5161, 0.3740, 0.5624



23.5161, 0.1240, 0.2665

Rectangle

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



23.5161, 0.2107, 0.1611



23.5161, 0.4119, 0.2303



23.5161, 0.3740, 0.5624



23.5161, 0.1979, 0.4642

Sweetspot

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



23.5168, 0.2107, 0.1611



69.8945, 0.2866, 0.2861



77.5408, 0.2457, 0.3314



14.2365, 0.2828, 0.2799



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.



23.5168, 0.2107, 0.1611



17.9009, 0.1899, 0.1266



29.2463, 0.2579, 0.1787



16.6637, 0.2979, 0.3046



3.6915, 0.1501, 0.0605



0.3490, 0.1505, 0.0616

Inverse Universe

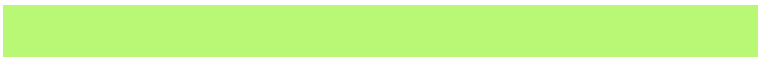
The Inverse Universe completely reimagines the original color for something new.



33.9885, 0.4671, 0.3285



30.1639, 0.5159, 0.3285



78.6759, 0.3449, 0.4785



17.2273, 0.3293, 0.3289



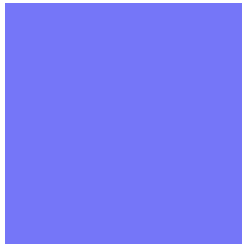
10.7836, 0.6393, 0.3295



0.9995, 0.6374, 0.3285

Previews

White Background



This preview shows how the Yxy color 23.5161, 0.2107, 0.1611 looks on a white background.

Color Contrast Check

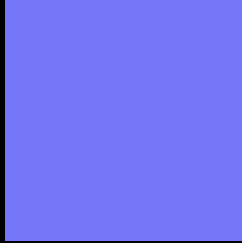
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5161, 0.2107, 0.1611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

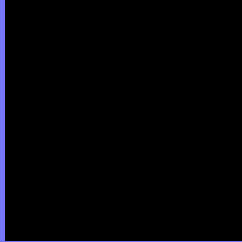
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5161, 0.2107, 0.1611

Background



This preview shows how black text looks on a background with the Yxy color 23.5161, 0.2107, 0.1611.



This preview shows how white text looks on a background with the Yxy color 23.5161, 0.2107, 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

23.5161, 0.2107, 0.1611

Protanopia

23.6190, 0.1855, 0.1586

Deuteranopia

23.5599, 0.1826, 0.1775



Tritanopia

23.5772, 0.2508, 0.3085

Trichromacy



Original Color

23.5161, 0.2107, 0.1611

Protanomaly

23.1929, 0.1924, 0.1584

Deuteranomaly

22.6249, 0.1849, 0.1681

Tritanomaly

22.9473, 0.2329, 0.2386

Monochromacy



Original Color

23.5161, 0.2107, 0.1611

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.0455, 0.2661, 0.2533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5161, 0.2107, 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(117, 118, 248)` looks like.

```
.text, #text, p{  
    color:rgb(117, 118, 248)  
}
```

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(117, 118, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 118, 248) }
```

Border

The CSS property to change the border of an element to Yxy 23.5161, 0.2107, 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(117, 118, 248) }
```

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

```
.border{ border-color:rgb(117, 118, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 118, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 118, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 118, 248);  
box-shadow:4px 4px 4px 4px rgb(117, 118,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5161, 0.2107, 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(117, 118, 248) }
```

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

```
.background{ background-color: rgb(117,  
118, 248) }
```

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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