

Converting Colors

$Y_{xy}(23.3745, 0.2151, 0.1693)$

Have a look what the booklet for
Yxy(23.3745, 0.2151, 0.1693)
contains.

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Color

Yxy(23.2076, 0.2149, 0.1690)

Conversions

Conversions Part 1

Format	Color
Hex	7577EF
RGB	117, 119, 239
RGB Percent	46%, 47%, 94%
CMY	0.5414, 0.5333, 0.0626
CMYK	0.51, 0.50, 0.00, 0.06
HSL	239°, 79%, 70%
HSV	239°, 51%, 94%
XYZ	29.5107, 23.2076, 84.6047
YIQ	132.0820, -39.7120, 36.8960

Conversions

Conversions Part 2

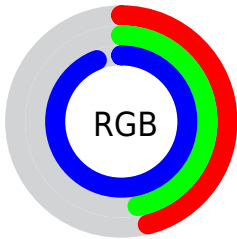
Format	Color
R_{YB}	117, 119, 239
Decimal	7698415
CIE _{Lab}	55.29, 31.31, -60.96
CIE _{LCh}	55, 68.531, 297.182
Yxy	23.2076, 0.2149, 0.1690
Android (android.graphics.Color)	4285888495 (0xFF7577EF)
YUV	132.0820, 52.7106, -13.2269
Hunter-Lab	48.1743, 25.0411, -70.4045

Details

The Yxy color **23.2076, 0.2149, 0.1690** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **80.1888, 0.3883, 0.4507**, and the grayscale version is **22.9208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5759, 0.2566, 0.2315**, and **8.6681, 0.1846, 0.1310** is the 20% darker color. If you saturate the color by 10%, you get **16.8400, 0.1943, 0.1350**, and if you desaturate by 10%, it is **31.3818, 0.2364, 0.2044**.

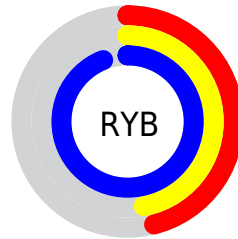
Distribution



Red (46%)

Green (47%)

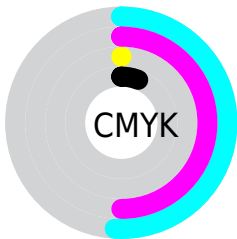
Blue (94%)



Red (46%)

Yellow (47%)

Blue (94%)

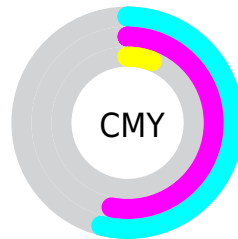


Cyan (51%)

Magenta (50%)

Yellow (0%)

Black (6%)



Cyan (54%)


Magenta (53%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2076, 0.2149, 0.1690 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 23.2076, 0.2149, 0.1690 by changing the saturation by 10% instead.


 23.2076, 0.2149,
0.1690


 23.2076, 0.2149,
0.1690


268.7895, 0.2673,
0.2464


 14.7469, 0.2015,
0.1515


 48.7340, 0.2343,
0.1960

 8.6419, 0.1845,
0.1305


 66.5684, 0.2416,
0.2065

 4.5084, 0.1625,
0.1051


 88.2962, 0.2476,
0.2155

 1.9618, 0.1337,
0.0752

114.3018, 0.2528,
0.2233

 0.5851, 0.0965,
0.0399

144.9695, 0.2572,
0.2302

 0.0000, 0.0365,
0.0000

180.6838, 0.2610,

 0.0000, 0.0000,

0.2363

0.0000

221.8290, 0.2643,
0.2416

■ 23.2076, 0.2149,
0.1690

■ 23.2076, 0.2149,
0.1690

■ 16.8400, 0.1943,
0.1350

■ 31.3818, 0.2364,
0.2044

■ 12.1403, 0.1764,
0.1051

■ 41.4831, 0.2576,
0.2391

■ 8.9529, 0.1626,
0.0820


■ 53.6241, 0.2773,
0.2714

■ 7.0924, 0.1540,
0.0672

■ 67.9080, 0.2953,
0.3006

■ 6.3209, 0.1502,
0.0608

■ 84.4312, 0.3111,
0.3264

 99.0135, 0.3220,
0.3444

Harmonies

Analogous

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



23.2076, 0.1525, 0.1659



23.2076, 0.2149, 0.1690



23.2076, 0.3185, 0.2002

Triad

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



23.2076, 0.2149, 0.1690



23.2076, 0.5350, 0.3997



23.2076, 0.1823, 0.4085

Complementary

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



23.2076, 0.2149, 0.1690



80.1888, 0.3883, 0.4507

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.



23.2076, 0.2713, 0.5319



23.2076, 0.2149, 0.1690



23.2076, 0.4729, 0.4815

Square

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



23.2076, 0.2149, 0.1690



23.2076, 0.5300, 0.3240



23.2076, 0.3767, 0.5471



23.2076, 0.1345, 0.2747

Rectangle

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



23.2076, 0.2149, 0.1690



23.2076, 0.4026, 0.2347



23.2076, 0.3767, 0.5471



23.2076, 0.2081, 0.4570

Sweetspot

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



23.2083, 0.2149, 0.1690



71.7627, 0.2884, 0.2894



71.5223, 0.2482, 0.3338



14.6117, 0.2846, 0.2832



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.



23.2083, 0.2149, 0.1690



19.4147, 0.1941, 0.1345



27.9349, 0.2585, 0.1834



15.2714, 0.2979, 0.3050



3.5111, 0.1503, 0.0611



0.3070, 0.1511, 0.0638

Inverse Universe

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



32.3992, 0.4574, 0.3272



31.2299, 0.5044, 0.3272



72.9835, 0.3456, 0.4725



15.7632, 0.3291, 0.3286



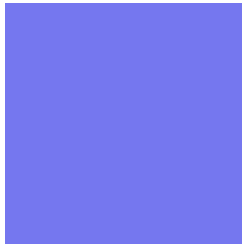
10.1478, 0.6383, 0.3290



0.8457, 0.6335, 0.3264

Previews

White Background



This preview shows how the Yxy color 23.2076, 0.2149, 0.1690 looks on a white background.

Color Contrast Check

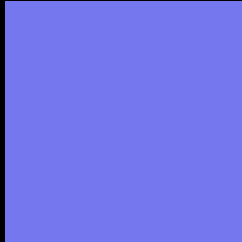
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2076, 0.2149, 0.1690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

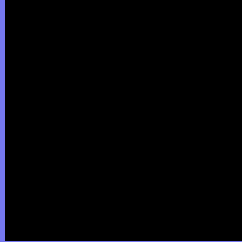
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2076, 0.2149, 0.1690

Background



This preview shows how black text looks on a background with the Yxy color 23.2076, 0.2149, 0.1690.

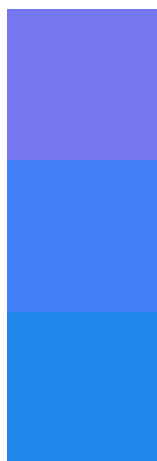


This preview shows how white text looks on a background with the Yxy color 23.2076, 0.2149, 0.1690.

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

23.2076, 0.2149, 0.1690

Protanopia

23.4089, 0.1896, 0.1645

Deuteranopia

23.3554, 0.1865, 0.1806



Tritanopia

23.1144, 0.2547, 0.3085

Trichromacy



Original Color

23.2076, 0.2149, 0.1690

Protanomaly

23.1911, 0.1966, 0.1655

Deuteranomaly

22.8134, 0.1922, 0.1751

Tritanomaly

22.5741, 0.2372, 0.2440

Monochromacy



Original Color

23.2076, 0.2149, 0.1690

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.6310, 0.2693, 0.2573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2076, 0.2149, 0.1690 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, 119, 239)` looks like.

```
.text, #text, p{  
    color:rgb(117, 119, 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(117, 119, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 119, 239) }
```

Border

The CSS property to change the border of an element to Yxy 23.2076, 0.2149, 0.1690 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, 119, 239) }
```

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

```
.border{ border-color:rgb(117, 119, 239) }
```

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

Here you see how a box with a 4 pixel rgb(117, 119, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 119, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 119, 239);  
box-shadow:4px 4px 4px 4px rgb(117, 119,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2076, 0.2149, 0.1690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 119, 239) }
```

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

```
.background{ background-color: rgb(117,  
119, 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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