

Converting Colors

$Y_{xy}(23.7055, 0.2079, 0.1661)$

Have a look what the booklet for
Yxy(23.7055, 0.2079, 0.1661)
contains.

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Color

$Y_{xy}(23.7628, 0.2081, 0.1663)$

Conversions

Conversions Part 1	
Format	Color
Hex	6D7AF5
RGB	109, 122, 245
RGB Percent	43%, 48%, 96%
CMY	0.5730, 0.5214, 0.0393
CMYK	0.56, 0.50, 0.00, 0.04
HSL	234°, 87%, 69%
HSV	234°, 56%, 96%
XYZ	29.7357, 23.7628, 89.3927
YIQ	132.1350, -47.2310, 35.4970

Conversions

Conversions Part 2

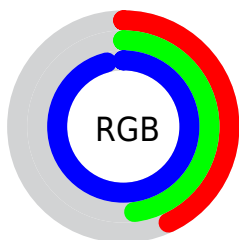
Format	Color
RYB	109, 121, 245
Decimal	7174901
CIELab	55.85, 29.73, -63.40
CIELCh	56, 70.022, 295.127
Yxy	23.7628, 0.2081, 0.1663
Android (android.graphics.Color)	4285364981 (0xFF6D7AF5)
YUV	132.1350, 55.6424, -20.2894
Hunter-Lab	48.7471, 23.5773, -74.6034

Details

The Yxy color **23.7628, 0.2081, 0.1663** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **78.1396, 0.3996, 0.4511**, and the grayscale version is **22.9290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9271, 0.2524, 0.2339**, and **8.9795, 0.1771, 0.1282** is the 20% darker color. If you saturate the color by 10%, you get **17.5900, 0.1890, 0.1345**, and if you desaturate by 10%, it is **31.6076, 0.2286, 0.1996**.

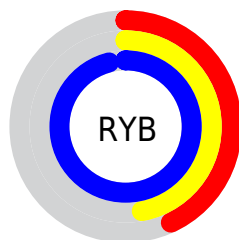
Distribution



Red (43%)

Green (48%)

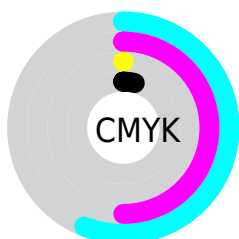
Blue (96%)



Red (43%)

Yellow (47%)

Blue (96%)

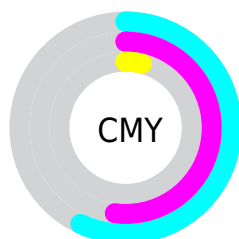


Cyan (56%)

Magenta (50%)

Yellow (0%)

Black (4%)



Cyan (57%)


Magenta (52%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7628, 0.2081, 0.1663 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 23.7628, 0.2081, 0.1663 by changing the saturation by 10% instead.


 23.7628, 0.2081,
0.1663


 23.7628, 0.2081,
0.1663


271.6191, 0.2634,
0.2445


 15.1578, 0.1943,
0.1488


 49.6428, 0.2284,
0.1934

 8.9302, 0.1768,
0.1279


 67.6866, 0.2360,
0.2040

 4.6957, 0.1545,
0.1029


 89.6455, 0.2424,
0.2131

 2.0698, 0.1258,
0.0735

115.9037, 0.2479,
0.2211

 0.6476, 0.0896,
0.0401

146.8458, 0.2526,
0.2280

 0.0000, 0.0348,
0.0000


182.8562, 0.2567,

 0.0000, 0.0000,


0.2342

0.0000

224.3191, 0.2603,
0.2397


 23.7628, 0.2081,
0.1663


 23.7628, 0.2081,
0.1663

 17.5900, 0.1890,
0.1345

 31.6076, 0.2286,
0.1996


 12.9647, 0.1728,
0.1065


 41.2319, 0.2493,
0.2323

 9.7488, 0.1607,
0.0843

 52.7369, 0.2692,
0.2632


 7.7777, 0.1534,
0.0695

 66.2155, 0.2876,
0.2913

 7.2305, 0.1515,
0.0652

 81.7545, 0.3043,
0.3164

 99.2667, 0.3185,
0.3384

 99.3716, 0.3185,
0.3386

Harmonies

Analogous

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



23.7628, 0.1481, 0.1651



23.7628, 0.2081, 0.1663



23.7628, 0.3101, 0.1958

Triad

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



23.7628, 0.2081, 0.1663



23.7628, 0.5396, 0.3942



23.7628, 0.1856, 0.4199

Complementary

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



23.7628, 0.2081, 0.1663



78.1396, 0.3996, 0.4511

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.



23.7628, 0.2774, 0.5402



23.7628, 0.2081, 0.1663



23.7628, 0.4799, 0.4769

Square

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



23.7628, 0.2081, 0.1663



23.7628, 0.5293, 0.3185



23.7628, 0.3839, 0.5468



23.7628, 0.1345, 0.2814

Rectangle

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



23.7628, 0.2081, 0.1663



23.7628, 0.3949, 0.2296



23.7628, 0.3839, 0.5468



23.7628, 0.2126, 0.4686

Sweetspot

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



23.7635, 0.2081, 0.1663



70.1920, 0.2850, 0.2873



74.3309, 0.2483, 0.3455



14.3639, 0.2813, 0.2818



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.



23.7635, 0.2081, 0.1663



18.3496, 0.1862, 0.1297



25.3286, 0.2445, 0.1669



16.1839, 0.2979, 0.3069



3.9831, 0.1518, 0.0665



0.4350, 0.1557, 0.0805

Inverse Universe

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



31.7310, 0.4642, 0.3159



28.5565, 0.5162, 0.3153



77.4154, 0.3536, 0.4821



16.5085, 0.3278, 0.3267



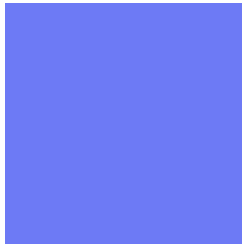
10.5015, 0.6291, 0.3239



0.9316, 0.6062, 0.3113

Previews

White Background



This preview shows how the Yxy color 23.7628, 0.2081, 0.1663 looks on a white background.

Color Contrast Check

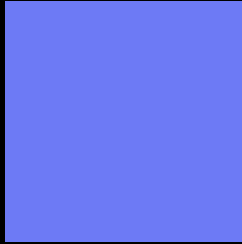
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7628, 0.2081, 0.1663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

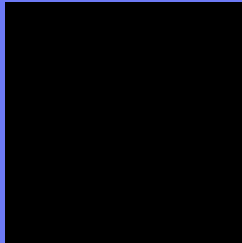
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7628, 0.2081, 0.1663

Background



This preview shows how black text looks on a background with the Yxy color 23.7628, 0.2081, 0.1663.



This preview shows how white text looks on a background with the Yxy color 23.7628, 0.2081, 0.1663.

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

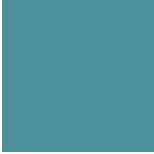
23.7628, 0.2081, 0.1663

Protanopia

23.8870, 0.1885, 0.1627

Deuteranopia

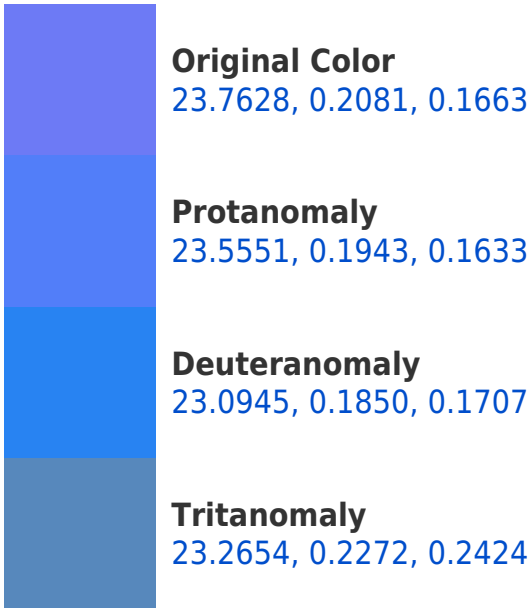
23.9592, 0.1826, 0.1772



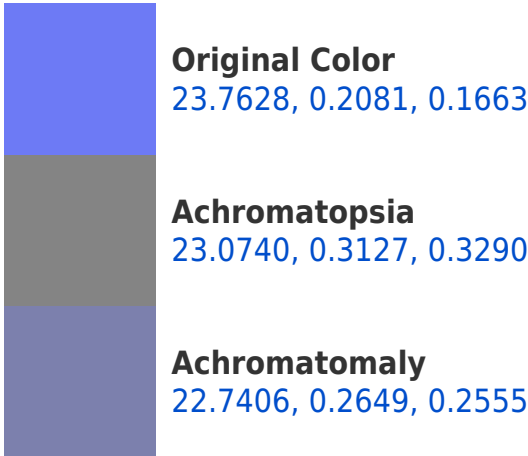
Tritanopia

23.8089, 0.2434, 0.3083

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7628, 0.2081, 0.1663 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(109, 122, 245)` looks like.

```
.text, #text, p{  
    color:rgb(109, 122, 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(109, 122, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 122, 245) }
```

Border

The CSS property to change the border of an element to Yxy 23.7628, 0.2081, 0.1663 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(109, 122, 245) }
```

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

```
.border{ border-color:rgb(109, 122, 245) }
```

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

Here you see how a box with a 4 pixel rgb(109, 122, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 122, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 122, 245);  
box-shadow:4px 4px 4px 4px rgb(109, 122,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7628, 0.2081, 0.1663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 122, 245) }
```

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

```
.background{ background-color: rgb(109,  
122, 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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