

Converting Colors

$Y_{xy}(23.6689, 0.2202, 0.1870)$

Have a look what the booklet for
Yxy(23.6689, 0.2202, 0.1870)
contains.

Yxy(23.6689, 0.2202, 0.1870)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.6689, 0.2202, 0.1870)

Conversions

Conversions Part 1

Format	Color
Hex	717DE2
RGB	113, 125, 226
RGB Percent	44%, 49%, 89%
CMY	0.5567, 0.5098, 0.1138
CMYK	0.50, 0.45, 0.00, 0.11
HSL	234°, 66%, 66%
HSV	234°, 50%, 89%
XYZ	27.8711, 23.6689, 75.0317
YIQ	132.9260, -39.5730, 28.8670

Conversions

Conversions Part 2

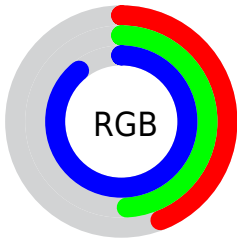
Format	Color
R_{YB}	113, 124, 226
Decimal	7437794
CIE _{Lab}	55.75, 22.89, -52.94
CIE _{LCh}	56, 57.678, 293.386
Yxy	23.6689, 0.2202, 0.1870
Android (android.graphics.Color)	4285627874 (0xFF717DE2)
YUV	132.9260, 45.8855, -17.4751
Hunter-Lab	48.6507, 17.1206, -57.3847

Details

The Yxy color **23.6689, 0.2202, 0.1870** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **65.4558, 0.3918, 0.4392**, and the grayscale version is **23.2707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3222, 0.2541, 0.2378**, and **8.8280, 0.1908, 0.1489** is the 20% darker color. If you saturate the color by 10%, you get **17.7468, 0.2003, 0.1544**, and if you desaturate by 10%, it is **31.0060, 0.2408, 0.2197**.

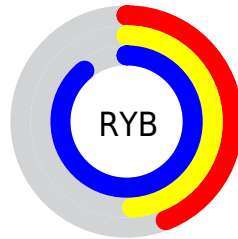
Distribution



Red (44%)

Green (49%)

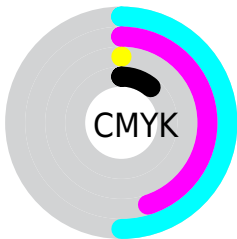
Blue (89%)



Red (44%)

Yellow (49%)

Blue (89%)

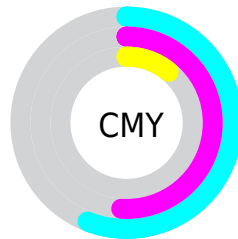


Cyan (50%)

Magenta (45%)

Yellow (0%)

Black (11%)



Cyan (56%)


Magenta (51%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6689, 0.2202, 0.1870 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 23.6689, 0.2202, 0.1870 by changing the saturation by 10% instead.


 23.6689, 0.2202,
0.1870


 23.6689, 0.2202,
0.1870


271.1422, 0.2698,
0.2576


 15.0882, 0.2073,
0.1703


 49.4894, 0.2387,
0.2121

 8.8813, 0.1908,
0.1497


 67.4979, 0.2456,
0.2218

 4.6638, 0.1691,
0.1242


 89.4178, 0.2513,
0.2300

 2.0514, 0.1400,
0.0926

115.6335, 0.2561,
0.2371

 0.6371, 0.1013,
0.0535

146.5294, 0.2603,
0.2432

 0.0000, 0.0206,
0.0000

182.4899, 0.2639,

 0.0000, 0.0000,

0.2486

0.0000

223.8994, 0.2670,
0.2534

■ 23.6689, 0.2202,
0.1870

■ 23.6689, 0.2202,
0.1870

■ 17.7468, 0.2003,
0.1544

■ 31.0060, 0.2408,
0.2197

■ 13.1457, 0.1824,
0.1241

■ 39.8392, 0.2609,
0.2511

■ 9.7637, 0.1678,
0.0983

■ 50.2463, 0.2798,
0.2800

■ 7.4827, 0.1576,
0.0787

■ 62.2989, 0.2972,
0.3060

■ 6.1424, 0.1518,
0.0664

■ 76.0642, 0.3127,
0.3290

■ 6.1402, 0.1518,
0.0663

■ 91.6056, 0.3265,
0.3491

■ 98.2695, 0.3298,
0.3572

Harmonies

Analogous

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



23.6689, 0.1680, 0.1887



23.6689, 0.2202, 0.1870



23.6689, 0.3062, 0.2120

Triad

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



23.6689, 0.2202, 0.1870



23.6689, 0.5073, 0.3889



23.6689, 0.2110, 0.4104

Complementary

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



23.6689, 0.2202, 0.1870



65.4558, 0.3918, 0.4392

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.



23.6689, 0.2930, 0.5015



23.6689, 0.2202, 0.1870



23.6689, 0.4644, 0.4584

Square

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



23.6689, 0.2202, 0.1870



23.6689, 0.4900, 0.3209



23.6689, 0.3853, 0.5106



23.6689, 0.1614, 0.2982

Rectangle

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



23.6689, 0.2202, 0.1870



23.6689, 0.3758, 0.2415



23.6689, 0.3853, 0.5106



23.6689, 0.2356, 0.4473

Sweetspot

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



23.6697, 0.2202, 0.1870



73.5418, 0.2885, 0.2931



62.6853, 0.2538, 0.3460



15.0329, 0.2848, 0.2875



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.



23.6697, 0.2202, 0.1870



23.0505, 0.1995, 0.1531



24.4085, 0.2518, 0.1839



13.4758, 0.2981, 0.3074



3.5862, 0.1522, 0.0677



0.3285, 0.1573, 0.0864

Inverse Universe

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



29.4634, 0.4388, 0.3156



32.0757, 0.4824, 0.3140



65.5997, 0.3522, 0.4656



13.7240, 0.3275, 0.3265



9.2701, 0.6271, 0.3228



0.6506, 0.5969, 0.3062

Previews

White Background



This preview shows how the Yxy color 23.6689, 0.2202, 0.1870 looks on a white background.

Color Contrast Check

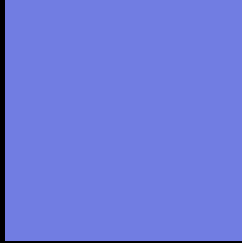
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6689, 0.2202, 0.1870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

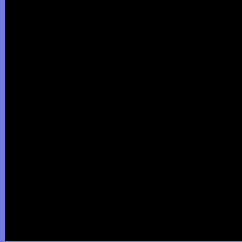
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6689, 0.2202, 0.1870

Background



This preview shows how black text looks on a background with the Yxy color 23.6689, 0.2202, 0.1870.



This preview shows how white text looks on a background with the Yxy color 23.6689, 0.2202, 0.1870.

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

23.6689, 0.2202, 0.1870

Protanopia

23.8095, 0.2048, 0.1845

Deuteranopia

23.7341, 0.2008, 0.1945



Tritanopia

23.5233, 0.2542, 0.3068

Trichromacy



Original Color

23.6689, 0.2202, 0.1870

Protanomaly

23.6369, 0.2098, 0.1851

Deuteranomaly

23.6473, 0.2066, 0.1913

Tritanomaly

23.2199, 0.2393, 0.2533

Monochromacy



Original Color

23.6689, 0.2202, 0.1870

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.1909, 0.2722, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6689, 0.2202, 0.1870 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(113, 125, 226)` looks like.

```
.text, #text, p{  
    color:rgb(113, 125, 226)  
}
```

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(113, 125, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 125, 226) }
```

Border

The CSS property to change the border of an element to Yxy 23.6689, 0.2202, 0.1870 is called "border". The border property can be set on classes, ids or directly on the HTML element.

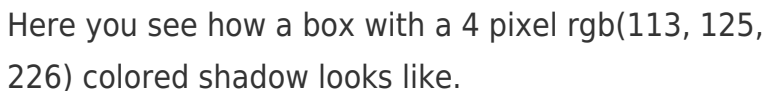
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 125, 226) }
```

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

```
.border{ border-color:rgb(113, 125, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 125, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 125, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 125, 226);  
box-shadow:4px 4px 4px 4px rgb(113, 125,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6689, 0.2202, 0.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 125, 226) }
```

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

```
.background{ background-color: rgb(113,  
125, 226) }
```

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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