

Converting Colors

$Y_{xy}(23.7197, 0.2336, 0.2199)$

Have a look what the booklet for
Yxy(23.7197, 0.2336, 0.2199)
contains.

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Color

Yxy(23.8764, 0.2338, 0.2203)

Conversions

Conversions Part 1

Format	Color
Hex	6F83CA
RGB	111, 131, 202
RGB Percent	44%, 51%, 79%
CMY	0.5645, 0.4863, 0.2077
CMYK	0.45, 0.35, 0.00, 0.21
HSL	227°, 46%, 61%
HSV	227°, 45%, 79%
XYZ	25.3395, 23.8764, 59.1654
YIQ	133.1140, -34.7110, 17.8410

Conversions

Conversions Part 2

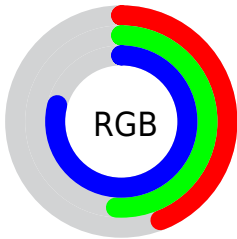
Format	Color
R _Y B	111, 127, 202
Decimal	7308234
CIE Lab	55.96, 11.61, -39.13
CIE LCh	56, 40.816, 286.532
Yxy	23.8764, 0.2338, 0.2203
Android (android.graphics.Color)	4285498314 (0xFF6F83CA)
YUV	133.1140, 33.9608, -19.3940
Hunter-Lab	48.8635, 7.0552, -37.5856

Details

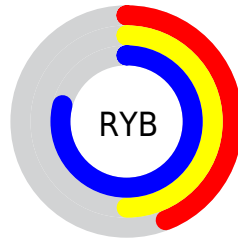
The Yxy color $23.8764, 0.2338, 0.2203$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $47.2033, 0.3891, 0.4176$, and the grayscale version is $23.3865, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.6080, 0.2520, 0.2456$, and $8.9819, 0.2078, 0.1883$ is the 20% darker color. If you saturate the color by 10%, you get $18.7914, 0.2148, 0.1911$, and if you desaturate by 10%, it is $29.9048, 0.2529, 0.2483$.

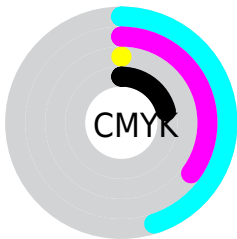
Distribution



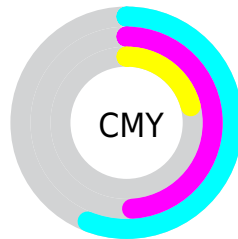
- Red (44%)
- Green (51%)
- Blue (79%)



- Red (44%)
- Yellow (50%)
- Blue (79%)



- Cyan (45%)
- Magenta (35%)
- Yellow (0%)
- Black (21%)



- Cyan (56%)
- Magenta (49%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8764, 0.2338, 0.2203 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 23.8764, 0.2338, 0.2203 by changing the saturation by 10% instead.

■ 23.8764, 0.2338,
0.2203

■ 23.8764, 0.2338,
0.2203

272.1950, 0.2765,
0.2768

■ 15.2420, 0.2224,
0.2059

■ 49.8284, 0.2500,
0.2412

■ 8.9894, 0.2073,
0.1874

■ 67.9148, 0.2558,
0.2489

■ 4.7343, 0.1869,
0.1632

■ 89.9206, 0.2607,
0.2554

■ 2.0922, 0.1583,
0.1306

116.2303, 0.2649,
0.2610

■ 0.6602, 0.1173,
0.0848

147.2281, 0.2684,
0.2658

■ 0.0000, 0.0000,
0.0000

183.2986, 0.2715,

0.2699

224.8261, 0.2741,
0.2736

■ 23.8764, 0.2338,
0.2203

■ 23.8764, 0.2338,
0.2203

■ 18.7914, 0.2148,
0.1911

■ 29.9048, 0.2529,
0.2483

■ 14.5978, 0.1969,
0.1620

■ 36.9195, 0.2715,
0.2744

■ 11.2425, 0.1810,
0.1344

■ 44.9640, 0.2890,
0.2981

■ 8.6650, 0.1684,
0.1100

■ 54.0782, 0.3051,
0.3193

■ 6.7956, 0.1595,
0.0901

■ 64.2999, 0.3198,
0.3380

■ 6.0865, 0.1562,
0.0821

■ 75.6652, 0.3331,
0.3543

■ 88.2083, 0.3450,
0.3686

■ 97.0455, 0.3442,
0.3810

Harmonies

Analogous

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



23.8764, 0.1981, 0.2289



23.8764, 0.2338, 0.2203



23.8764, 0.2935, 0.2349

Triad

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



23.8764, 0.2338, 0.2203



23.8764, 0.4544, 0.3686



23.8764, 0.2534, 0.4020

Complementary

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



23.8764, 0.2338, 0.2203



47.2033, 0.3891, 0.4176

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.



23.8764, 0.3186, 0.4530



23.8764, 0.2338, 0.2203



23.8764, 0.4367, 0.4196

Square

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



23.8764, 0.2338, 0.2203



23.8764, 0.4285, 0.3156



23.8764, 0.3858, 0.4552



23.8764, 0.2074, 0.3270

Rectangle

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



23.8764, 0.2338, 0.2203



23.8764, 0.3419, 0.2556



23.8764, 0.3858, 0.4552



23.8764, 0.2737, 0.4236

Sweetspot

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



23.8773, 0.2338, 0.2203



77.3314, 0.2904, 0.3000



48.9638, 0.2645, 0.3597



15.8749, 0.2867, 0.2951



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.



23.8773, 0.2338, 0.2203



32.0365, 0.2153, 0.1920



20.8231, 0.2496, 0.1969



11.2359, 0.2982, 0.3104



4.0249, 0.1567, 0.0841



0.3235, 0.1671, 0.1215

Inverse Universe

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



25.5791, 0.4049, 0.3033



36.1740, 0.4371, 0.2987



52.8391, 0.3580, 0.4472



11.2532, 0.3256, 0.3239



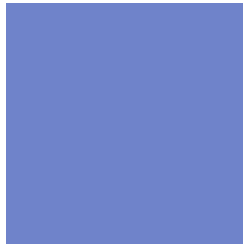
8.2093, 0.6004, 0.3081



0.4352, 0.5445, 0.2773

Previews

White Background



This preview shows how the Yxy color 23.8764, 0.2338, 0.2203 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 23.8764, 0.2338, 0.2203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

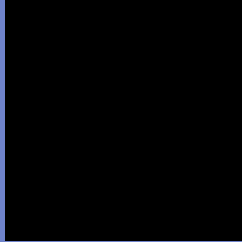
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8764, 0.2338, 0.2203

Background



This preview shows how black text looks on a background with the Yxy color 23.8764, 0.2338, 0.2203.

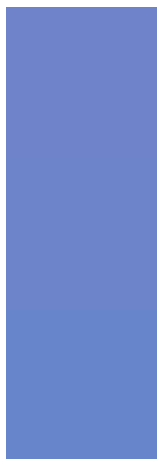


This preview shows how white text looks on a background with the Yxy color 23.8764, 0.2338, 0.2203.

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

23.8764, 0.2338, 0.2203

Protanopia

23.7481, 0.2323, 0.2199

Deuteranopia

23.8641, 0.2280, 0.2218



Tritanopia

23.8581, 0.2605, 0.3089

Trichromacy



Original Color

23.8764, 0.2338, 0.2203

Protanomaly

23.8119, 0.2330, 0.2201

Deuteranomaly

23.7701, 0.2298, 0.2208

Tritanomaly

23.6184, 0.2499, 0.2723

Monochromacy



Original Color

23.8764, 0.2338, 0.2203

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.3311, 0.2795, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8764, 0.2338, 0.2203 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, 131, 202)` looks like.

```
.text, #text, p{  
    color:rgb(111, 131, 202)  
}
```

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, 131, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 131, 202) }
```

Border

The CSS property to change the border of an element to Yxy 23.8764, 0.2338, 0.2203 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, 131, 202) }
```

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

```
.border{ border-color:rgb(111, 131, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 131, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 131, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 131, 202);  
box-shadow:4px 4px 4px 4px rgb(111, 131,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8764, 0.2338, 0.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 131, 202) }
```

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

```
.background{ background-color: rgb(111,  
131, 202) }
```

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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