

Converting Colors

$Y_{xy}(23.2736, 0.2256, 0.1974)$

Have a look what the booklet for
Yxy(23.2736, 0.2256, 0.1974)
contains.

Yxy(23.3903, 0.2257, 0.1980)	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(23.3903, 0.2257, 0.1980)

Conversions

Conversions Part 1

Format	Color
Hex	717ED8
RGB	113, 126, 216
RGB Percent	44%, 49%, 85%
CMY	0.5570, 0.5058, 0.1529
CMYK	0.48, 0.42, 0.00, 0.15
HSL	232°, 57%, 65%
HSV	232°, 48%, 85%
XYZ	26.6626, 23.3903, 68.0799
YIQ	132.3730, -36.6380, 25.2340

Conversions

Conversions Part 2

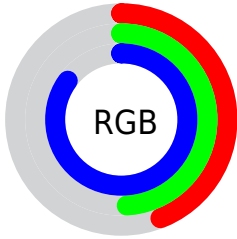
Format	Color
RYB	113, 125, 216
Decimal	7438040
CIELab	55.47, 19.24, -47.79
CIELCh	55, 51.521, 291.928
Yxy	23.3903, 0.2257, 0.1980
Android (android.graphics.Color)	4285628120 (0xFF717ED8)
YUV	132.3730, 41.2281, -16.9901
Hunter-Lab	48.3635, 13.7700, -49.6064

Details

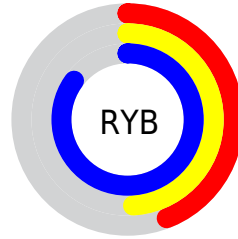
The Yxy color **23.3903, 0.2257, 0.1980** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **58.4859, 0.3892, 0.4324**, and the grayscale version is **23.0728, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6068, 0.2536, 0.2389**, and **8.6932, 0.1968, 0.1604** is the 20% darker color. If you saturate the color by 10%, you get **17.7465, 0.2058, 0.1659**, and if you desaturate by 10%, it is **30.2864, 0.2460, 0.2298**.

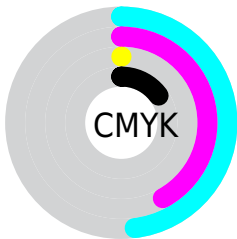
Distribution



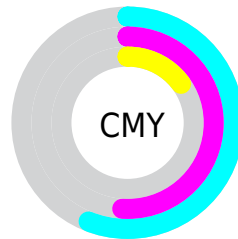
- Red (44%)
- Green (49%)
- Blue (85%)



- Red (44%)
- Yellow (49%)
- Blue (85%)



- Cyan (48%)
- Magenta (42%)
- Yellow (0%)
- Black (15%)



- Cyan (56%)
- Magenta (51%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.3903, 0.2257, 0.1980 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 23.3903, 0.2257, 0.1980 by changing the saturation by 10% instead.

■ 23.3903, 0.2257,
0.1980

■ 23.3903, 0.2257,
0.1980

269.7234, 0.2727,
0.2644

■ 14.8820, 0.2133,
0.1819

■ 49.0334, 0.2434,
0.2220

■ 8.7366, 0.1972,
0.1617

■ 66.9370, 0.2498,
0.2310

■ 4.5698, 0.1758,
0.1361

■ 88.7411, 0.2553,
0.2387

■ 1.9971, 0.1465,
0.1035

114.8301, 0.2598,
0.2453

■ 0.6058, 0.1065,
0.0608

145.5884, 0.2637,
0.2510

■ 0.0000, 0.0000,
0.0000

181.4005, 0.2671,

0.2560

222.6507, 0.2701,
0.2604

■ 23.3903, 0.2257,
0.1980

■ 23.3903, 0.2257,
0.1980

■ 17.7465, 0.2058,
0.1659

■ 30.2864, 0.2460,
0.2298

■ 13.2768, 0.1874,
0.1351

■ 38.5019, 0.2656,
0.2598

■ 9.8977, 0.1720,
0.1079

■ 48.1017, 0.2841,
0.2873

■ 7.5135, 0.1606,
0.0862

■ 59.1461, 0.3009,
0.3120

■ 6.0061, 0.1536,
0.0711

■ 71.6914, 0.3160,
0.3337

■ 5.7581, 0.1524,
0.0686

■ 85.7912, 0.3295,
0.3527

■ 97.7383, 0.3357,
0.3671

Harmonies

Analogous

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



23.3903, 0.1783, 0.2015



23.3903, 0.2257, 0.1980



23.3903, 0.3031, 0.2201

Triad

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



23.3903, 0.2257, 0.1980



23.3903, 0.4899, 0.3839



23.3903, 0.2244, 0.4065

Complementary

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



23.3903, 0.2257, 0.1980



58.4859, 0.3892, 0.4324

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.



23.3903, 0.3010, 0.4837



23.3903, 0.2257, 0.1980



23.3903, 0.4553, 0.4468

Square

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



23.3903, 0.2257, 0.1980



23.3903, 0.4697, 0.3206



23.3903, 0.3853, 0.4919



23.3903, 0.1761, 0.3071

Rectangle

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



23.3903, 0.2257, 0.1980



23.3903, 0.3654, 0.2469



23.3903, 0.3853, 0.4919



23.3903, 0.2476, 0.4380

Sweetspot

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



23.3911, 0.2257, 0.1980



75.5410, 0.2903, 0.2965



56.9011, 0.2568, 0.3475



15.4444, 0.2865, 0.2909



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.



23.3911, 0.2257, 0.1980



25.9642, 0.2061, 0.1664



23.3161, 0.2539, 0.1909



12.2595, 0.2981, 0.3080



3.4943, 0.1528, 0.0701



0.2961, 0.1595, 0.0941

Inverse Universe

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



27.9093, 0.4267, 0.3135



33.8963, 0.4654, 0.3113



59.7988, 0.3521, 0.4583



12.4461, 0.3271, 0.3261



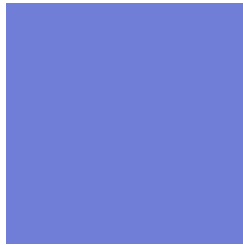
8.6976, 0.6231, 0.3206



0.5332, 0.5849, 0.2996

Previews

White Background



This preview shows how the Yxy color 23.3903, 0.2257, 0.1980 looks on a white background.

Color Contrast Check

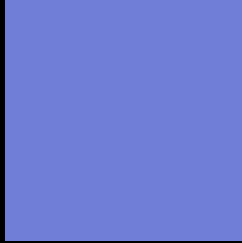
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3903, 0.2257, 0.1980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

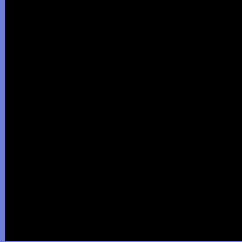
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3903, 0.2257, 0.1980

Background



This preview shows how black text looks on a background with the Yxy color 23.3903, 0.2257, 0.1980.



This preview shows how white text looks on a background with the Yxy color 23.3903, 0.2257, 0.1980.

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

23.3903, 0.2257, 0.1980

Protanopia

23.5665, 0.2144, 0.1974

Deuteranopia

23.4691, 0.2105, 0.2051



Tritanopia

23.3702, 0.2586, 0.3087

Trichromacy



Original Color

23.3903, 0.2257, 0.1980

Protanomaly

23.5872, 0.2182, 0.1981

Deuteranomaly

23.2512, 0.2151, 0.2012

Tritanomaly

23.1898, 0.2450, 0.2610

Monochromacy



Original Color

23.3903, 0.2257, 0.1980

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.9696, 0.2748, 0.2738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3903, 0.2257, 0.1980 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, 126, 216)` looks like.

```
.text, #text, p{  
    color:rgb(113, 126, 216)  
}
```

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, 126, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 126, 216) }
```

Border

The CSS property to change the border of an element to Yxy 23.3903, 0.2257, 0.1980 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, 126, 216) }
```

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

```
.border{ border-color:rgb(113, 126, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 126, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 126, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 126, 216);  
box-shadow:4px 4px 4px 4px rgb(113, 126,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3903, 0.2257, 0.1980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 126, 216) }
```

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

```
.background{ background-color: rgb(113,  
126, 216) }
```

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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