

Converting Colors

$Y_{xy}(23.8532, 0.2182, 0.2199)$

Have a look what the booklet for
Yxy(23.8532, 0.2182, 0.2199)
contains.

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Color

Yxy(23.7620, 0.2177, 0.2191)

Conversions

Conversions Part 1

Format	Color
Hex	5787CD
RGB	87, 135, 205
RGB Percent	34%, 53%, 80%
CMY	0.6588, 0.4706, 0.1962
CMYK	0.58, 0.34, 0.00, 0.20
HSL	216°, 54%, 57%
HSV	216°, 58%, 80%
XYZ	23.6102, 23.7620, 61.0806
YIQ	128.6280, -51.0780, 11.5940

Conversions

Conversions Part 2

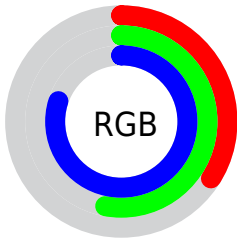
Format	Color
R _Y B	87, 121, 205
Decimal	5736397
CIE Lab	55.85, 4.62, -41.07
CIE LCh	56, 41.329, 276.413
Yxy	23.7620, 0.2177, 0.2191
Android (android.graphics.Color)	4283926477 (0xFF5787CD)
YUV	128.6280, 37.6514, -36.5078
Hunter-Lab	48.7463, 1.1501, -40.1698

Details

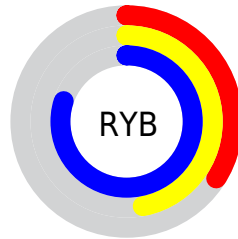
The Yxy color **23.7620, 0.2177, 0.2191** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **37.7617, 0.4281, 0.4152**, and the grayscale version is **21.6958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2062, 0.2403, 0.2479**, and **8.9509, 0.1875, 0.1862** is the 20% darker color. If you saturate the color by 10%, you get **19.7117, 0.2025, 0.1961**, and if you desaturate by 10%, it is **28.4812, 0.2342, 0.2417**.

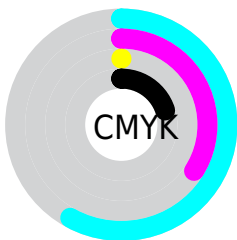
Distribution



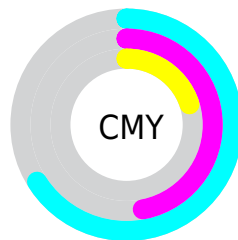
- Red (34%)
- Green (53%)
- Blue (80%)



- Red (34%)
- Yellow (47%)
- Blue (80%)



- Cyan (58%)
- Magenta (34%)
- Yellow (0%)
- Black (20%)



- Cyan (66%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7620, 0.2177, 0.2191 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 23.7620, 0.2177, 0.2191 by changing the saturation by 10% instead.

■ 23.7620, 0.2177,
0.2191

■ 23.7620, 0.2177,
0.2191

271.6150, 0.2683,
0.2768

■ 15.1572, 0.2045,
0.2043

■ 49.6415, 0.2366,
0.2405

■ 8.9298, 0.1873,
0.1854

■ 67.6850, 0.2436,
0.2484

■ 4.6954, 0.1645,
0.1604

■ 89.6435, 0.2494,
0.2550

■ 2.0697, 0.1335,
0.1272

■ 115.9014, 0.2544,
0.2607

■ 0.6475, 0.0908,
0.0807

146.8432, 0.2586,
0.2655

■ 0.0000, 0.0000,
0.0000

182.8531, 0.2623,

0.2698

224.3155, 0.2655,
0.2735

■ 23.7620, 0.2177,
0.2191

■ 23.7620, 0.2177,
0.2191

■ 19.7117, 0.2025,
0.1961

■ 28.4812, 0.2342,
0.2417

■ 16.2906, 0.1892,
0.1732

■ 33.9008, 0.2512,
0.2631

■ 13.4571, 0.1785,
0.1515

■ 40.0528, 0.2684,
0.2831

■ 11.1566, 0.1704,
0.1317

■ 46.9665, 0.2851,
0.3013

■ 10.6575, 0.1687,
0.1271

■ 54.6690, 0.3012,
0.3178

■ 63.1865, 0.3163,
0.3324

■ 72.5435, 0.3305,
0.3454

■ 82.7635, 0.3436,
0.3568

■ 90.6110, 0.3443,
0.3682

Harmonies

Analogous

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



23.7620, 0.1906, 0.2364



23.7620, 0.2177, 0.2191



23.7620, 0.2705, 0.2264

Triad

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



23.7620, 0.2177, 0.2191



23.7620, 0.4525, 0.3506



23.7620, 0.2733, 0.4253

Complementary

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



23.7620, 0.2177, 0.2191



37.7617, 0.4281, 0.4152

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.



23.7620, 0.3422, 0.4612



23.7620, 0.2177, 0.2191



23.7620, 0.4488, 0.4040

Square

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



23.7620, 0.2177, 0.2191



23.7620, 0.4119, 0.2983



23.7620, 0.4067, 0.4477



23.7620, 0.2188, 0.3527

Rectangle

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



23.7620, 0.2177, 0.2191



23.7620, 0.3170, 0.2431



23.7620, 0.4067, 0.4477



23.7620, 0.2956, 0.4429

Sweetspot

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



23.7628, 0.2177, 0.2191



77.3660, 0.2857, 0.3019



48.0685, 0.2672, 0.4047



16.0421, 0.2823, 0.2984



0.0000, 0.0000, 0.0000



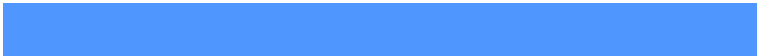
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.7628, 0.2177, 0.2191



30.9083, 0.1992, 0.1907



13.7536, 0.2091, 0.1487



11.5812, 0.2983, 0.3149



6.8131, 0.1694, 0.1297



0.4995, 0.1803, 0.1690

Inverse Universe

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



21.5399, 0.4127, 0.2698



29.0825, 0.4476, 0.2624



55.9572, 0.3859, 0.4685



11.2881, 0.3227, 0.3196



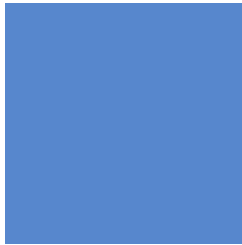
8.4908, 0.5330, 0.2710



0.4530, 0.4819, 0.2428

Previews

White Background



This preview shows how the Yxy color 23.7620, 0.2177, 0.2191 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 23.7620, 0.2177, 0.2191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

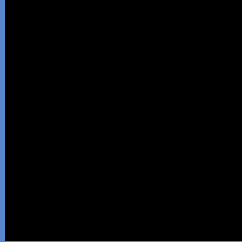
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

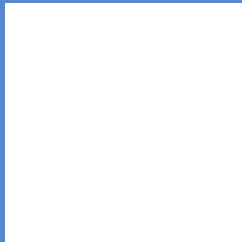
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.7620, 0.2177, 0.2191

Background



This preview shows how black text looks on a background with the Yxy color 23.7620, 0.2177, 0.2191.

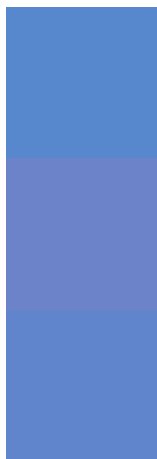


This preview shows how white text looks on a background with the Yxy color 23.7620, 0.2177, 0.2191.

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

23.7620, 0.2177, 0.2191

Protanopia

23.7009, 0.2329, 0.2211

Deuteranopia

23.7242, 0.2230, 0.2174



Tritanopia

23.8444, 0.2384, 0.3082

Trichromacy



Original Color

23.7620, 0.2177, 0.2191

Protanomaly

23.5335, 0.2270, 0.2200

Deuteranomaly

23.7851, 0.2209, 0.2184

Tritanomaly

23.5616, 0.2295, 0.2705

Monochromacy



Original Color

23.7620, 0.2177, 0.2191

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.2443, 0.2694, 0.2835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7620, 0.2177, 0.2191 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(87, 135, 205)` looks like.

```
.text, #text, p{  
    color:rgb(87, 135, 205)  
}
```

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(87, 135, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 135, 205) }
```

Border

The CSS property to change the border of an element to Yxy 23.7620, 0.2177, 0.2191 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(87, 135, 205) }
```

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

```
.border{ border-color:rgb(87, 135, 205) }
```

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

Here you see how a box with a 4 pixel rgb(87, 135, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 135, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 135, 205);  
box-shadow:4px 4px 4px 4px rgb(87, 135,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7620, 0.2177, 0.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 135, 205) }
```

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

```
.background{ background-color: rgb(87, 135,  
205) }
```

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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