

Converting Colors

$Yxy(30.4393, 0.2199, 0.2400)$

Have a look what the booklet for
Yxy(30.4393, 0.2199, 0.2400)
contains.

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Color

Yxy(30.3752, 0.2199, 0.2392)

Conversions

Conversions Part 1

Format	Color
Hex	579BD7
RGB	87, 155, 215
RGB Percent	34%, 61%, 84%
CMY	0.6585, 0.3922, 0.1568
CMYK	0.59, 0.28, 0.00, 0.16
HSL	208°, 62%, 59%
HSV	208°, 59%, 84%
XYZ	27.9244, 30.3752, 68.6871
YIQ	141.5080, -59.7880, 4.2440

Conversions

Conversions Part 2

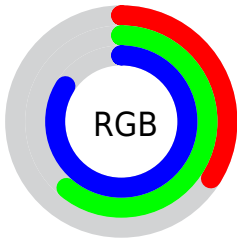
Format	Color
R _Y B	87, 131, 215
Decimal	5741527
CIE Lab	61.98, -3.71, -37.09
CIE LCh	62, 37.271, 264.282
Yxy	30.3752, 0.2199, 0.2392
Android (android.graphics.Color)	4283931607 (0xFF579BD7)
YUV	141.5080, 36.2316, -47.8035
Hunter-Lab	55.1137, -6.0087, -35.3123

Details

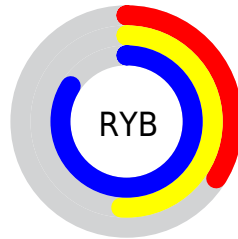
The Yxy color **30.3752, 0.2199, 0.2392** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **36.0407, 0.4461, 0.3999**, and the grayscale version is **26.7271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9319, 0.2453, 0.2743**, and **12.4581, 0.1926, 0.2117** is the 20% darker color. If you saturate the color by 10%, you get **26.2711, 0.2068, 0.2209**, and if you desaturate by 10%, it is **35.0703, 0.2345, 0.2570**.

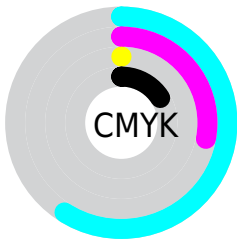
Distribution



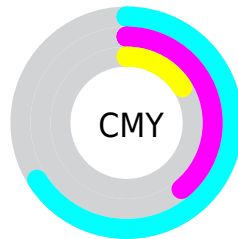
- Red (34%)
- Green (61%)
- Blue (84%)



- Red (34%)
- Yellow (51%)
- Blue (84%)



- Cyan (59%)
- Magenta (28%)
- Yellow (0%)
- Black (16%)



- Cyan (66%)
- Magenta (39%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3752, 0.2199, 0.2392 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 30.3752, 0.2199, 0.2392 by changing the saturation by 10% instead.

■ 30.3752, 0.2199,
0.2392

■ 30.3752, 0.2199,
0.2392

■ 303.6494, 0.2675,
0.2858

■ 20.1236, 0.2080,
0.2273

■ 60.2550, 0.2373,
0.2564

■ 12.4849, 0.1927,
0.2121

■ 80.6520, 0.2438,
0.2628

■ 7.0748, 0.1728,
0.1920

■ 105.1995, 0.2493,
0.2681

■ 3.5089, 0.1461,
0.1647

■ 134.2820, 0.2540,
0.2727

■ 1.4029, 0.1097,
0.1267

■ 168.2839, 0.2581,
0.2767

■ 0.2188, 0.0253,
0.0473

■ 207.5895, 0.2616,

■ 0.0000, 0.0000,

0.2801

0.0000

252.5832, 0.2647,
0.2831

■ 30.3752, 0.2199,
0.2392

■ 30.3752, 0.2199,
0.2392

■ 26.2711, 0.2068,
0.2209

■ 35.0703, 0.2345,
0.2570

■ 22.7195, 0.1956,
0.2025

■ 40.3845, 0.2500,
0.2740

■ 19.6812, 0.1867,
0.1846


■ 46.3475, 0.2661,
0.2899


■ 17.0919, 0.1799,
0.1674


■ 52.9860, 0.2822,
0.3045


■ 16.9693, 0.1796,
0.1666

■ 60.3246, 0.2981,
0.3177

 68.3868, 0.3135,
0.3296

 77.1947, 0.3282,
0.3401

 85.9835, 0.3392,
0.3497

 91.9482, 0.3377,
0.3594

Harmonies

Analogous

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



30.3752, 0.2057, 0.2646



30.3752, 0.2199, 0.2392



30.3752, 0.2570, 0.2366

Triad

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



30.3752, 0.2199, 0.2392



30.3752, 0.4193, 0.3305



30.3752, 0.3038, 0.4242

Complementary

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



30.3752, 0.2199, 0.2392



36.0407, 0.4461, 0.3999

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.



30.3752, 0.3623, 0.4385



30.3752, 0.2199, 0.2392



30.3752, 0.4323, 0.3768

Square

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



30.3752, 0.2199, 0.2392



30.3752, 0.3736, 0.2871



30.3752, 0.4100, 0.4174



30.3752, 0.2506, 0.3745

Rectangle

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



30.3752, 0.2199, 0.2392



30.3752, 0.2926, 0.2461



30.3752, 0.4100, 0.4174



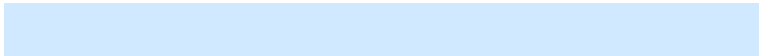
30.3752, 0.3235, 0.4335

Sweetspot

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



30.3763, 0.2199, 0.2392



79.3302, 0.2843, 0.3063



52.7363, 0.2742, 0.4317



16.3346, 0.2796, 0.3022



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.



30.3763, 0.2199, 0.2392



37.4414, 0.2042, 0.2168



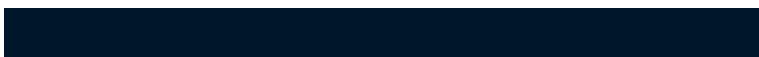
14.4806, 0.1988, 0.1441



13.0891, 0.2982, 0.3178



10.3629, 0.1803, 0.1691



0.7902, 0.1886, 0.1990

Inverse Universe

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



23.6460, 0.3949, 0.2499



29.0550, 0.4211, 0.2402



61.6004, 0.3992, 0.4641



12.5299, 0.3209, 0.3167



9.3910, 0.4818, 0.2428



0.5831, 0.4465, 0.2233

Previews

White Background



This preview shows how the Yxy color 30.3752, 0.2199, 0.2392 looks on a white background.

Color Contrast Check

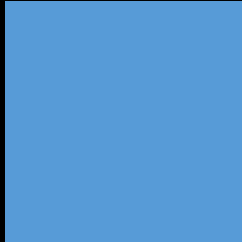
Large Text (above 18pt) WCAG AA × Fail

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 30.3752, 0.2199, 0.2392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

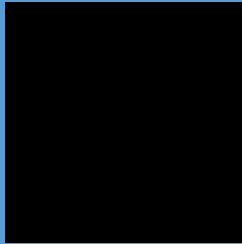
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3752, 0.2199, 0.2392

Background



This preview shows how black text looks on a background with the Yxy color 30.3752, 0.2199, 0.2392.

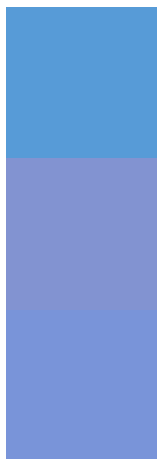


This preview shows how white text looks on a background with the Yxy color 30.3752, 0.2199, 0.2392.

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

30.3752, 0.2199, 0.2392

Protanopia

30.2167, 0.2474, 0.2400

Deuteranopia

30.2545, 0.2364, 0.2308



Tritanopia

30.2773, 0.2346, 0.3051

Trichromacy



Original Color

30.3752, 0.2199, 0.2392

Protanomaly

30.0932, 0.2357, 0.2396

Deuteranomaly

30.3423, 0.2301, 0.2346

Tritanomaly

30.0505, 0.2286, 0.2784

Monochromacy



Original Color

30.3752, 0.2199, 0.2392

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.8696, 0.2695, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3752, 0.2199, 0.2392 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, 155, 215)` looks like.

```
.text, #text, p{  
    color:rgb(87, 155, 215)  
}
```

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, 155, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 155, 215) }
```

Border

The CSS property to change the border of an element to Yxy 30.3752, 0.2199, 0.2392 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, 155, 215) }
```

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

```
.border{ border-color:rgb(87, 155, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 155, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 155, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 155, 215);  
box-shadow:4px 4px 4px 4px rgb(87, 155,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3752, 0.2199, 0.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 155, 215) }
```

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

```
.background{ background-color: rgb(87, 155,  
215) }
```

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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