

Converting Colors

$Y_{xy}(30.2393, 0.2166, 0.2249)$

Have a look what the booklet for
Yxy(30.2393, 0.2166, 0.2249)
contains.

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Color

Yxy(30.0624, 0.2166, 0.2246)

Conversions

Conversions Part 1

Format	Color
Hex	5B98E0
RGB	91, 152, 224
RGB Percent	36%, 60%, 88%
CMY	0.6434, 0.4039, 0.1216
CMYK	0.59, 0.32, 0.00, 0.12
HSL	212°, 68%, 62%
HSV	212°, 59%, 88%
XYZ	28.9916, 30.0624, 74.7946
YIQ	141.9690, -59.4680, 9.4600

Conversions

Conversions Part 2

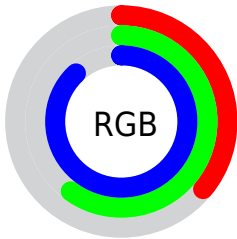
Format	Color
R _Y B	91, 133, 224
Decimal	6002912
CIE Lab	61.71, 1.63, -42.49
CIE LCh	62, 42.520, 272.192
Yxy	30.0624, 0.2166, 0.2246
Android (android.graphics.Color)	4284192992 (0xFF5B98E0)
YUV	141.9690, 40.4413, -44.6998
Hunter-Lab	54.8292, -1.5670, -42.4993

Details

The Yxy color **30.0624, 0.2166, 0.2246** 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 **42.7670, 0.4386, 0.4104**, and the grayscale version is **26.8869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8466, 0.2468, 0.2709**, and **12.2057, 0.1887, 0.1942** is the 20% darker color. If you saturate the color by 10%, you get **25.3557, 0.2024, 0.2034**, and if you desaturate by 10%, it is **35.5127, 0.2322, 0.2454**.

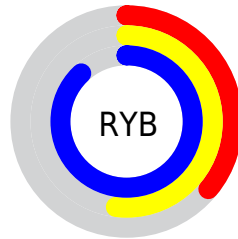
Distribution



Red (36%)

Green (60%)

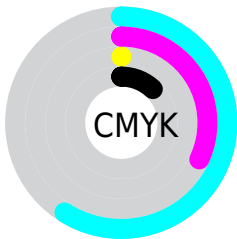
Blue (88%)



Red (36%)

Yellow (52%)

Blue (88%)

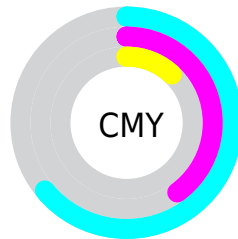


Cyan (59%)

Magenta (32%)

Yellow (0%)

Black (12%)



Cyan (64%)

Magenta (40%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0624, 0.2166, 0.2246 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 30.0624, 0.2166, 0.2246 by changing the saturation by 10% instead.

■ 30.0624, 0.2166,
0.2246

■ 30.0624, 0.2166,
0.2246

■ 302.1952, 0.2658,
0.2778

■ 19.8860, 0.2043,
0.2114

■ 59.7608, 0.2345,
0.2439

■ 12.3122, 0.1888,
0.1948

■ 80.0516, 0.2413,
0.2512

■ 6.9567, 0.1686,
0.1733

■ 104.4827, 0.2470,
0.2574

■ 3.4350, 0.1419,
0.1449

■ 133.4383, 0.2518,
0.2626

■ 1.3628, 0.1060,
0.1071

■ 167.3030, 0.2561,
0.2672

■ 0.1891, 0.0384,
0.0331

■ 206.4611, 0.2597,

■ 0.0000, 0.0000,

0.2712

0.0000

251.2971, 0.2630,
0.2747

■ 30.0624, 0.2166,
0.2246

■ 30.0624, 0.2166,
0.2246

■ 25.3557, 0.2024,
0.2034

■ 35.5127, 0.2322,
0.2454

■ 21.3462, 0.1903,
0.1823

■ 41.7423, 0.2487,
0.2652

■ 17.9853, 0.1805,
0.1621

■ 48.7879, 0.2654,
0.2837

■ 15.1991, 0.1733,
0.1433

■ 56.6828, 0.2820,
0.3007

■ 15.0467, 0.1729,
0.1422

■ 65.4579, 0.2982,
0.3160

■ 75.1425, 0.3136,
0.3298

■ 85.7645, 0.3282,
0.3420

■ 94.3663, 0.3317,
0.3534

■ 98.1618, 0.3310,
0.3592

Harmonies

Analogous

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



30.0624, 0.1940, 0.2452



30.0624, 0.2166, 0.2246



30.0624, 0.2641, 0.2283

Triad

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



30.0624, 0.2166, 0.2246



30.0624, 0.4428, 0.3430



30.0624, 0.2844, 0.4277

Complementary

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



30.0624, 0.2166, 0.2246



42.7670, 0.4386, 0.4104

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.



30.0624, 0.3507, 0.4553



30.0624, 0.2166, 0.2246



30.0624, 0.4456, 0.3945

Square

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



30.0624, 0.2166, 0.2246



30.0624, 0.3989, 0.2933



30.0624, 0.4102, 0.4379



30.0624, 0.2291, 0.3621

Rectangle

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



30.0624, 0.2166, 0.2246



30.0624, 0.3072, 0.2426



30.0624, 0.4102, 0.4379



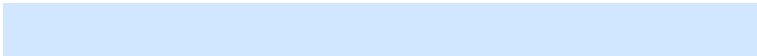
30.0624, 0.3061, 0.4423

Sweetspot

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



30.0634, 0.2166, 0.2246



77.4777, 0.2841, 0.3027



58.1369, 0.2696, 0.4183



15.8838, 0.2793, 0.2980



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.



30.0634, 0.2166, 0.2246



32.8068, 0.1997, 0.1989



15.3052, 0.2003, 0.1397



14.2748, 0.2981, 0.3160



8.9826, 0.1736, 0.1450



0.8002, 0.1818, 0.1743

Inverse Universe

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



25.5854, 0.4085, 0.2604



28.5871, 0.4398, 0.2526



69.2129, 0.3932, 0.4698



13.8047, 0.3220, 0.3183



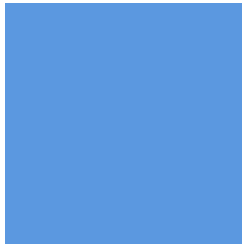
9.8148, 0.5125, 0.2597



0.6982, 0.4754, 0.2392

Previews

White Background



This preview shows how the Yxy color 30.0624, 0.2166, 0.2246 looks on a white background.

Color Contrast Check

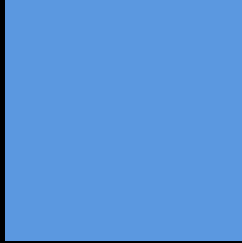
Large Text (above 18pt) WCAG AA × Fail

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 30.0624, 0.2166, 0.2246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

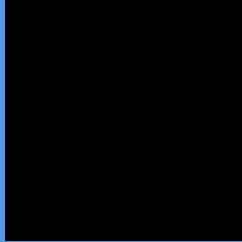
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

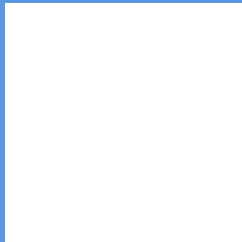
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0624, 0.2166, 0.2246

Background



This preview shows how black text looks on a background with the Yxy color 30.0624, 0.2166, 0.2246.

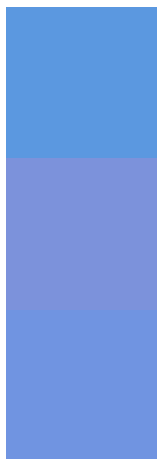


This preview shows how white text looks on a background with the Yxy color 30.0624, 0.2166, 0.2246.

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

30.0624, 0.2166, 0.2246

Protanopia

29.9573, 0.2368, 0.2261

Deuteranopia

30.0608, 0.2264, 0.2205



Tritanopia

30.2010, 0.2347, 0.3067

Trichromacy



Original Color

30.0624, 0.2166, 0.2246

Protanomaly

29.8450, 0.2284, 0.2248

Deuteranomaly

29.8742, 0.2220, 0.2207

Tritanomaly

29.8818, 0.2271, 0.2724

Monochromacy



Original Color

30.0624, 0.2166, 0.2246

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.7473, 0.2679, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0624, 0.2166, 0.2246 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(91, 152, 224)` looks like.

```
.text, #text, p{  
    color:rgb(91, 152, 224)  
}
```

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(91, 152, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 152, 224) }
```

Border

The CSS property to change the border of an element to Yxy 30.0624, 0.2166, 0.2246 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(91, 152, 224) }
```

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

```
.border{ border-color:rgb(91, 152, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 152, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 152, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 152, 224);  
box-shadow:4px 4px 4px 4px rgb(91, 152,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0624, 0.2166, 0.2246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 152, 224) }
```

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

```
.background{ background-color: rgb(91, 152,  
224) }
```

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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