

Converting Colors

$Y_{xy}(31.5410, 0.2138, 0.2326)$

Have a look what the booklet for
Yxy(31.5410, 0.2138, 0.2326)
contains.

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Color

Yxy(31.5410, 0.2138, 0.2326)

Conversions

Conversions Part 1

Format	Color
Hex	509EE0
RGB	80, 158, 224
RGB Percent	31%, 62%, 88%
CMY	0.6860, 0.3804, 0.1216
CMYK	0.64, 0.29, 0.00, 0.12
HSL	208°, 70%, 60%
HSV	208°, 64%, 88%
XYZ	28.9917, 31.5410, 75.0692
YIQ	142.2020, -67.6740, 3.9900

Conversions

Conversions Part 2

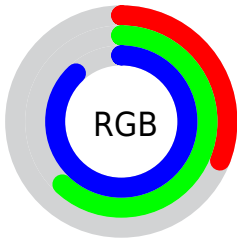
Format	Color
R _Y B	80, 131, 224
Decimal	5283552
CIE Lab	62.96, -3.78, -40.54
CIE LCh	63, 40.719, 264.677
Yxy	31.5410, 0.2138, 0.2326
Android (android.graphics.Color)	4283473632 (0xFF509EE0)
YUV	142.2020, 40.3264, -54.5512
Hunter-Lab	56.1614, -6.1369, -39.9382

Details

The Yxy color **31.5410, 0.2138, 0.2326** 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 **37.0002, 0.4618, 0.4023**, and the grayscale version is **26.9987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0577, 0.2440, 0.2778**, and **13.3425, 0.1907, 0.2064** is the 20% darker color. If you saturate the color by 10%, you get **27.3649, 0.2017, 0.2146**, and if you desaturate by 10%, it is **36.3370, 0.2276, 0.2503**.

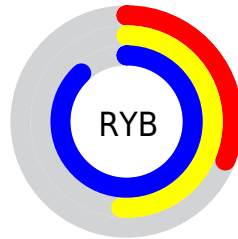
Distribution



Red (31%)

Green (62%)

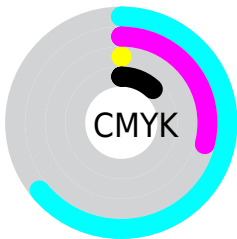
Blue (88%)



Red (31%)

Yellow (51%)

Blue (88%)

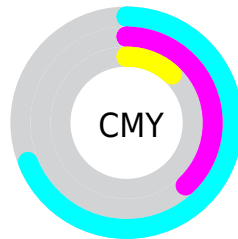


Cyan (64%)

Magenta (29%)

Yellow (0%)

Black (12%)



Cyan (69%)

Magenta (38%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5410, 0.2138, 0.2326 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 31.5410, 0.2138, 0.2326 by changing the saturation by 10% instead.

■ 31.5410, 0.2138,
0.2326

■ 31.5410, 0.2138,
0.2326

309.0230, 0.2639,
0.2821

■ 21.0112, 0.2015,
0.2202

■ 62.0908, 0.2320,
0.2507

■ 13.1322, 0.1859,
0.2045

■ 82.8796, 0.2388,
0.2574

■ 7.5196, 0.1657,
0.1841

■ 107.8568, 0.2446,
0.2631

■ 3.7891, 0.1392,
0.1568

■ 137.4068, 0.2496,
0.2680

■ 1.5563, 0.1039,
0.1198

171.9140, 0.2539,
0.2723

■ 0.3279, 0.0372,
0.0556

211.7629, 0.2577,

■ 0.0000, 0.0000,

0.2759

0.0000

257.3378, 0.2610,
0.2792

■ 31.5410, 0.2138,
0.2326

■ 31.5410, 0.2138,
0.2326

■ 27.3649, 0.2017,
0.2146

■ 36.3370, 0.2276,
0.2503

■ 23.7645, 0.1918,
0.1967

■ 41.7857, 0.2426,
0.2674

■ 20.6926, 0.1841,
0.1795

■ 47.9207, 0.2584,
0.2834

■ 19.1248, 0.1805,
0.1699

■ 54.7718, 0.2745,
0.2983

■ 62.3668, 0.2905,
0.3119

70.7320, 0.3062,
0.3242

79.8919, 0.3213,
0.3351

89.0537, 0.3328,
0.3450

95.2780, 0.3315,
0.3549

Harmonies

Analogous

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



31.5410, 0.1984, 0.2589



31.5410, 0.2138, 0.2326



31.5410, 0.2535, 0.2304

Triad

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



31.5410, 0.2138, 0.2326



31.5410, 0.4282, 0.3306



31.5410, 0.3018, 0.4321

Complementary

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



31.5410, 0.2138, 0.2326



37.0002, 0.4618, 0.4023

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.



31.5410, 0.3646, 0.4473



31.5410, 0.2138, 0.2326



31.5410, 0.4414, 0.3799

Square

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



31.5410, 0.2138, 0.2326



31.5410, 0.3791, 0.2846



31.5410, 0.4164, 0.4238



31.5410, 0.2451, 0.3773

Rectangle

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



31.5410, 0.2138, 0.2326



31.5410, 0.2916, 0.2408



31.5410, 0.4164, 0.4238



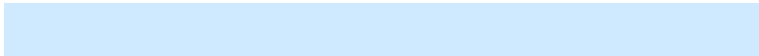
31.5410, 0.3229, 0.4422

Sweetspot

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



31.5421, 0.2138, 0.2326



78.5768, 0.2827, 0.3054



57.0505, 0.2739, 0.4457



16.1986, 0.2781, 0.3015



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.



31.5421, 0.2138, 0.2326



35.0387, 0.1982, 0.2086



13.9488, 0.1900, 0.1312



14.4668, 0.2981, 0.3180



11.3665, 0.1812, 0.1724



0.9664, 0.1885, 0.1985

Inverse Universe

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



24.0607, 0.4029, 0.2437



27.0676, 0.4317, 0.2357



65.9418, 0.4061, 0.4703



13.8241, 0.3208, 0.3164



10.0555, 0.4777, 0.2405



0.7150, 0.4469, 0.2236

Previews

White Background



This preview shows how the Yxy color 31.5410, 0.2138, 0.2326 looks on a white background.

Color Contrast Check

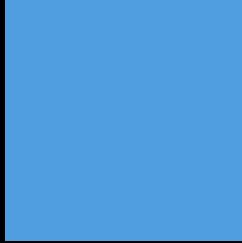
Large Text (above 18pt) WCAG AA × Fail

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 31.5410, 0.2138, 0.2326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

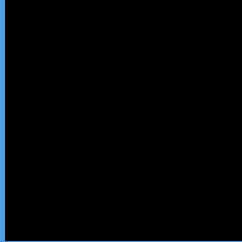
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

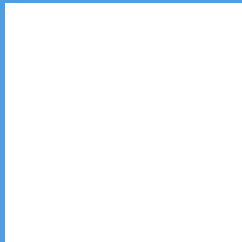
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.5410, 0.2138, 0.2326

Background



This preview shows how black text looks on a background with the Yxy color 31.5410, 0.2138, 0.2326.

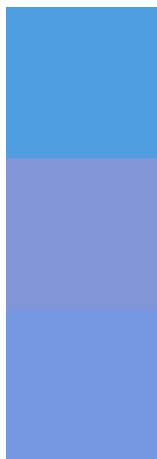


This preview shows how white text looks on a background with the Yxy color 31.5410, 0.2138, 0.2326.

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

31.5410, 0.2138, 0.2326

Protanopia

31.2505, 0.2429, 0.2337

Deuteranopia

31.4758, 0.2304, 0.2247



Tritanopia

31.4085, 0.2284, 0.3052

Trichromacy



Original Color

31.5410, 0.2138, 0.2326

Protanomaly

31.0685, 0.2301, 0.2319

Deuteranomaly

31.4905, 0.2235, 0.2281

Tritanomaly

31.3037, 0.2224, 0.2758

Monochromacy



Original Color

31.5410, 0.2138, 0.2326

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.0803, 0.2649, 0.2900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5410, 0.2138, 0.2326 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(80, 158, 224)` looks like.

```
.text, #text, p{  
    color:rgb(80, 158, 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(80, 158, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 158, 224) }
```

Border

The CSS property to change the border of an element to Yxy 31.5410, 0.2138, 0.2326 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(80, 158, 224) }
```

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

```
.border{ border-color:rgb(80, 158, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 158, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 158, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 158, 224);  
box-shadow:4px 4px 4px 4px rgb(80, 158,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5410, 0.2138, 0.2326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 158, 224) }
```

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

```
.background{ background-color: rgb(80, 158,  
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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