

Converting Colors

$Y_{xy}(30.9273, 0.2080, 0.2205)$

Have a look what the booklet for
Yxy(30.9273, 0.2080, 0.2205)
contains.

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Color

Yxy(31.0423, 0.2082, 0.2212)

Conversions

Conversions Part 1

Format	Color
Hex	4B9CE7
RGB	75, 156, 231
RGB Percent	29%, 61%, 91%
CMY	0.7058, 0.3883, 0.0940
CMYK	0.68, 0.32, 0.00, 0.09
HSL	209°, 76%, 60%
HSV	209°, 68%, 91%
XYZ	29.2179, 31.0423, 80.0757
YIQ	140.3310, -72.3510, 6.1530

Conversions

Conversions Part 2

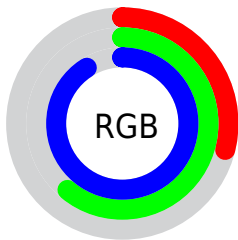
Format	Color
RYB	75, 128, 231
Decimal	4955367
CIELab	62.54, -1.10, -45.11
CIELCh	63, 45.121, 268.602
Yxy	31.0423, 0.2082, 0.2212
Android (android.graphics.Color)	4283145447 (0xFF4B9CE7)
YUV	140.3310, 44.6998, -57.2953
Hunter-Lab	55.7156, -3.8948, -46.2119

Details

The Yxy color **31.0423, 0.2082, 0.2212** 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 **39.3327, 0.4686, 0.4082**, and the grayscale version is **26.2073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8022, 0.2420, 0.2751**, and **13.1983, 0.1869, 0.1929** is the 20% darker color. If you saturate the color by 10%, you get **26.7144, 0.1965, 0.2023**, and if you desaturate by 10%, it is **36.0515, 0.2218, 0.2400**.

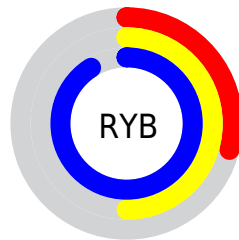
Distribution



Red (29%)

Green (61%)

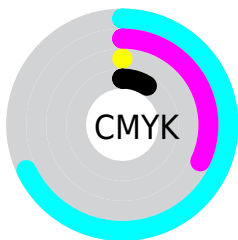
Blue (91%)



Red (29%)

Yellow (50%)

Blue (91%)

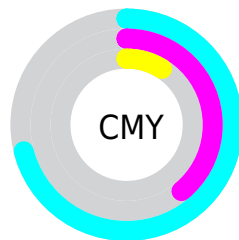


Cyan (68%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (71%)


Magenta (39%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0423, 0.2082, 0.2212 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 31.0423, 0.2082, 0.2212 by changing the saturation by 10% instead.

 31.0423, 0.2082,
0.2212


 31.0423, 0.2082,
0.2212


306.7331, 0.2610,
0.2759

 20.6311, 0.1953,
0.2078

 61.3067, 0.2273,
0.2410

 12.8546, 0.1792,
0.1910

 81.9286, 0.2345,
0.2484

 7.3285, 0.1585,
0.1694


 106.7228, 0.2406,
0.2548

 3.6684, 0.1315,
0.1412

 136.0738, 0.2459,
0.2602

 1.4898, 0.0965,
0.1043

170.3660, 0.2504,
0.2649

 0.2816, 0.0356,
0.0417

209.9836, 0.2544,

 0.0000, 0.0000,

0.2690

0.0000

255.3112, 0.2579,
0.2727

■ 31.0423, 0.2082,
0.2212

■ 31.0423, 0.2082,
0.2212

■ 26.7144, 0.1965,
0.2023

■ 36.0515, 0.2218,
0.2400

■ 23.0170, 0.1870,
0.1837

■ 41.7805, 0.2368,
0.2583

■ 19.8899, 0.1799,
0.1661

■ 48.2679, 0.2527,
0.2756

■ 19.1836, 0.1783,
0.1618

■ 55.5477, 0.2690,
0.2917

■ 63.6518, 0.2852,
0.3065

■ 72.6100, 0.3011,
0.3199

■ 82.4504, 0.3164,
0.3318

■ 92.2692, 0.3278,
0.3426

■ 98.5513, 0.3268,
0.3522

Harmonies

Analogous

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



31.0423, 0.1880, 0.2455



31.0423, 0.2082, 0.2212



31.0423, 0.2545, 0.2224

Triad

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



31.0423, 0.2082, 0.2212



31.0423, 0.4458, 0.3366



31.0423, 0.2907, 0.4393

Complementary

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



31.0423, 0.2082, 0.2212



39.3327, 0.4686, 0.4082

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.



31.0423, 0.3602, 0.4618



31.0423, 0.2082, 0.2212



31.0423, 0.4538, 0.3904

Square

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



31.0423, 0.2082, 0.2212



31.0423, 0.3953, 0.2858



31.0423, 0.4204, 0.4381



31.0423, 0.2308, 0.3729

Rectangle

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



31.0423, 0.2082, 0.2212



31.0423, 0.2981, 0.2356



31.0423, 0.4204, 0.4381



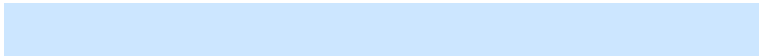
31.0423, 0.3137, 0.4527

Sweetspot

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



31.0433, 0.2082, 0.2212



76.9135, 0.2810, 0.3028



60.7986, 0.2720, 0.4492



15.8431, 0.2765, 0.2987



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.



31.0433, 0.2082, 0.2212



31.5214, 0.1925, 0.1949



13.0375, 0.1832, 0.1182



15.1185, 0.2981, 0.3174



11.0016, 0.1791, 0.1646



0.9988, 0.1862, 0.1903

Inverse Universe

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



24.4291, 0.4153, 0.2446



25.7996, 0.4478, 0.2393



71.8032, 0.4080, 0.4772



14.4923, 0.3211, 0.3169



10.3083, 0.4874, 0.2458



0.7805, 0.4564, 0.2288

Previews

White Background



This preview shows how the Yxy color 31.0423, 0.2082, 0.2212 looks on a white background.

Color Contrast Check

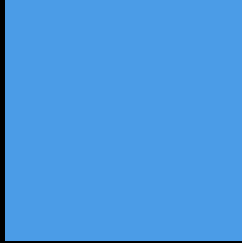
Large Text (above 18pt) WCAG AA × Fail

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 31.0423, 0.2082, 0.2212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

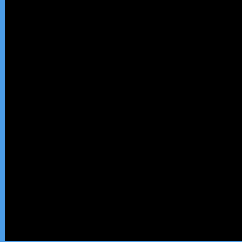
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

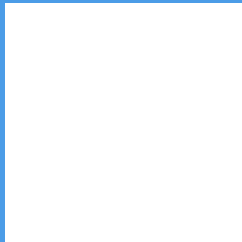
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.0423, 0.2082, 0.2212

Background



This preview shows how black text looks on a background with the Yxy color 31.0423, 0.2082, 0.2212.



This preview shows how white text looks on a background with the Yxy color 31.0423, 0.2082, 0.2212.

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

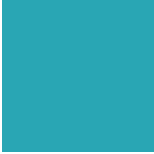
31.0423, 0.2082, 0.2212

Protanopia

30.8467, 0.2345, 0.2236

Deuteranopia

30.8270, 0.2212, 0.2154



Tritanopia

31.0391, 0.2239, 0.3049

Trichromacy



Original Color

31.0423, 0.2082, 0.2212

Protanomaly

30.7434, 0.2228, 0.2218

Deuteranomaly

30.7695, 0.2155, 0.2166

Tritanomaly

30.7211, 0.2165, 0.2693

Monochromacy



Original Color

31.0423, 0.2082, 0.2212

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.2879, 0.2612, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0423, 0.2082, 0.2212 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(75, 156, 231)` looks like.

```
.text, #text, p{  
    color:rgb(75, 156, 231)  
}
```

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(75, 156, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 156, 231) }
```

Border

The CSS property to change the border of an element to Yxy 31.0423, 0.2082, 0.2212 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(75, 156, 231) }
```

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

```
.border{ border-color:rgb(75, 156, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 156, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 156, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 156, 231);  
box-shadow:4px 4px 4px 4px rgb(75, 156,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0423, 0.2082, 0.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 156, 231) }
```

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

```
.background{ background-color: rgb(75, 156,  
231) }
```

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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