

Converting Colors

$Y_{xy}(31.6338, 0.2273, 0.2723)$

Have a look what the booklet for
Yxy(31.6338, 0.2273, 0.2723)
contains.

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Color

Yxy(31.6234, 0.2274, 0.2722)

Conversions

Conversions Part 1

Format	Color
Hex	50A2C6
RGB	80, 162, 198
RGB Percent	31%, 64%, 78%
CMY	0.6864, 0.3647, 0.2235
CMYK	0.60, 0.18, 0.00, 0.22
HSL	198°, 51%, 55%
HSV	198°, 60%, 78%
XYZ	26.4187, 31.6234, 58.1350
YIQ	141.5860, -60.4280, -6.1880

Conversions

Conversions Part 2

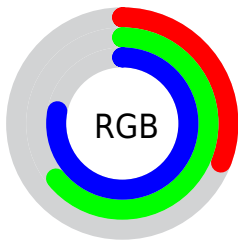
Format	Color
RYB	80, 128, 198
Decimal	5284550
CIELab	63.03, -14.34, -25.99
CIELCh	63, 29.686, 241.114
Yxy	31.6234, 0.2274, 0.2722
Android (android.graphics.Color)	4283474630 (0xFF50A2C6)
YUV	141.5860, 27.8121, -54.0109
Hunter-Lab	56.2347, -14.5526, -21.9293

Details

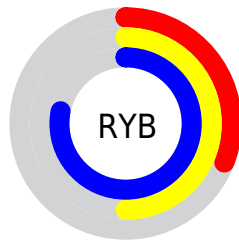
The Yxy color **31.6234, 0.2274, 0.2722** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **25.0639, 0.4635, 0.3751**, and the grayscale version is **26.7817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3347, 0.2436, 0.2838**, and **13.1655, 0.2035, 0.2525** is the 20% darker color. If you saturate the color by 10%, you get **28.8101, 0.2168, 0.2608**, and if you desaturate by 10%, it is **34.7949, 0.2397, 0.2833**.

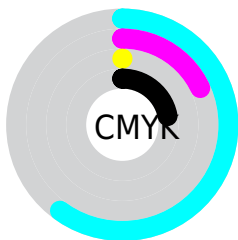
Distribution



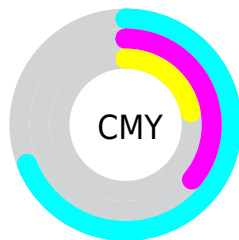
- Red (31%)
- Green (64%)
- Blue (78%)



- Red (31%)
- Yellow (50%)
- Blue (78%)



- Cyan (60%)
- Magenta (18%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (36%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6234, 0.2274, 0.2722 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 31.6234, 0.2274, 0.2722 by changing the saturation by 10% instead.

■ 31.6234, 0.2274,
0.2722

■ 31.6234, 0.2274,
0.2722

■ 309.4001, 0.2712,
0.3028

■ 21.0740, 0.2163,
0.2639

■ 62.2202, 0.2435,
0.2838

■ 13.1781, 0.2020,
0.2530

■ 83.0365, 0.2495,
0.2880

■ 7.5513, 0.1831,
0.2379

■ 108.0438, 0.2545,
0.2915

■ 3.8092, 0.1572,
0.2161

■ 137.6265, 0.2588,
0.2945

■ 1.5674, 0.1204,
0.1825

■ 172.1692, 0.2625,
0.2970

■ 0.3355, 0.0000,
0.1081

■ 212.0560, 0.2658,

■ 0.0000, 0.0000,

0.2992

0.0000

257.6716, 0.2686,
0.3011

■ 31.6234, 0.2274,
0.2722

■ 31.6234, 0.2274,
0.2722

■ 28.8101, 0.2168,
0.2608

■ 34.7949, 0.2397,
0.2833

■ 26.3272, 0.2080,
0.2492

■ 38.3429, 0.2532,
0.2939

■ 24.1472, 0.2013,
0.2377

■ 42.2881, 0.2677,
0.3039

■ 22.2189, 0.1963,
0.2263

■ 46.6484, 0.2827,
0.3131

■ 22.1471, 0.1961,
0.2259

■ 51.4405, 0.2980,
0.3216

■ 56.6802, 0.3133,
0.3293

■ 62.3822, 0.3284,
0.3362

■ 68.5605, 0.3430,
0.3423

■ 74.6238, 0.3546,
0.3479

Harmonies

Analogous

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



31.6234, 0.2316, 0.3074



31.6234, 0.2274, 0.2722



31.6234, 0.2436, 0.2550

Triad

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



31.6234, 0.2274, 0.2722



31.6234, 0.3705, 0.3034



31.6234, 0.3429, 0.4143

Complementary

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



31.6234, 0.2274, 0.2722



25.0639, 0.4635, 0.3751

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.



31.6234, 0.3834, 0.4054



31.6234, 0.2274, 0.2722



31.6234, 0.4011, 0.3401

Square

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



31.6234, 0.2274, 0.2722



31.6234, 0.3242, 0.2736



31.6234, 0.4055, 0.3770



31.6234, 0.2962, 0.3954

Rectangle

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



31.6234, 0.2274, 0.2722



31.6234, 0.2647, 0.2538



31.6234, 0.4055, 0.3770



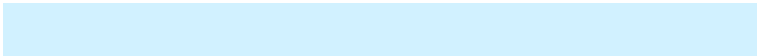
31.6234, 0.3577, 0.4142

Sweetspot

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



31.6246, 0.2274, 0.2722



83.7034, 0.2848, 0.3143



43.3370, 0.2854, 0.4648



17.4046, 0.2803, 0.3117



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.



31.6246, 0.2274, 0.2722



49.4306, 0.2135, 0.2568



15.5955, 0.2057, 0.1743



11.5006, 0.2984, 0.3218



14.5601, 0.1965, 0.2274



0.8129, 0.2031, 0.2511

Inverse Universe

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



20.3464, 0.3654, 0.2276



29.9420, 0.3824, 0.2127



43.0071, 0.4130, 0.4446



10.7594, 0.3183, 0.3131



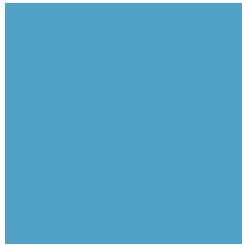
9.0098, 0.4154, 0.2062



0.4391, 0.3912, 0.1929

Previews

White Background



This preview shows how the Yxy color 31.6234, 0.2274, 0.2722 looks on a white background.

Color Contrast Check

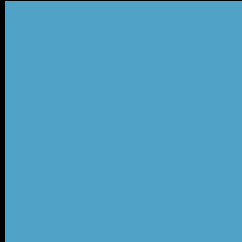
Large Text (above 18pt) WCAG AA × Fail

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 31.6234, 0.2274, 0.2722 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 31.6234, 0.2274, 0.2722

Background



This preview shows how black text looks on a background with the Yxy color 31.6234, 0.2274, 0.2722.

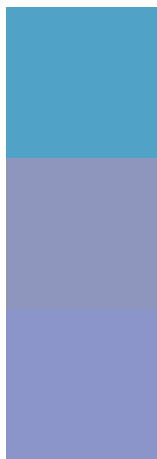


This preview shows how white text looks on a background with the Yxy color 31.6234, 0.2274, 0.2722.

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

31.6234, 0.2274, 0.2722

Protanopia

31.2376, 0.2717, 0.2716

Deuteranopia

31.2009, 0.2602, 0.2542



Tritanopia

31.5427, 0.2350, 0.3055

Trichromacy



Original Color

31.6234, 0.2274, 0.2722

Protanomaly

30.8389, 0.2519, 0.2709

Deuteranomaly

31.1329, 0.2461, 0.2601

Tritanomaly

31.5919, 0.2321, 0.2929

Monochromacy



Original Color

31.6234, 0.2274, 0.2722

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.0255, 0.2728, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6234, 0.2274, 0.2722 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, 162, 198)` looks like.

```
.text, #text, p{  
    color:rgb(80, 162, 198)  
}
```

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, 162, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 162, 198) }
```

Border

The CSS property to change the border of an element to Yxy 31.6234, 0.2274, 0.2722 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, 162, 198) }
```

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

```
.border{ border-color:rgb(80, 162, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 162, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 162, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 162, 198);  
box-shadow:4px 4px 4px 4px rgb(80, 162,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6234, 0.2274, 0.2722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 162, 198) }
```

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

```
.background{ background-color: rgb(80, 162,  
198) }
```

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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