

Converting Colors

$Yxy(31.6377, 0.2338, 0.2819)$

Have a look what the booklet for
Yxy(31.6377, 0.2338, 0.2819)
contains.

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Color

Yxy(31.6249, 0.2336, 0.2811)

Conversions

Conversions Part 1

Format	Color
Hex	56A2C0
RGB	86, 162, 192
RGB Percent	34%, 64%, 75%
CMY	0.6623, 0.3648, 0.2470
CMYK	0.55, 0.16, 0.00, 0.25
HSL	197°, 46%, 55%
HSV	197°, 55%, 75%
XYZ	26.2810, 31.6249, 54.5982
YIQ	142.6960, -54.9260, -6.7820

Conversions

Conversions Part 2

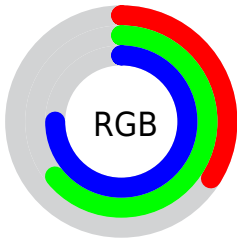
Format	Color
R _{YB}	86, 130, 192
Decimal	5677760
CIE Lab	63.03, -14.91, -22.63
CIE LCh	63, 27.103, 236.615
Yxy	31.6249, 0.2336, 0.2811
Android (android.graphics.Color)	4283867840 (0xFF56A2C0)
YUV	142.6960, 24.3069, -49.7224
Hunter-Lab	56.2360, -14.9941, -18.1981

Details

The Yxy color **31.6249, 0.2336, 0.2811** 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 **24.4049, 0.4494, 0.3694**, and the grayscale version is **27.2692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2427, 0.2488, 0.2917**, and **13.0970, 0.2096, 0.2646** is the 20% darker color. If you saturate the color by 10%, you get **28.9558, 0.2225, 0.2707**, and if you desaturate by 10%, it is **34.6243, 0.2462, 0.2912**.

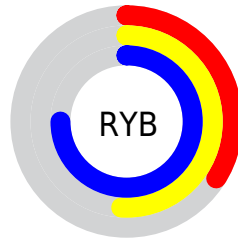
Distribution



Red (34%)

Green (64%)

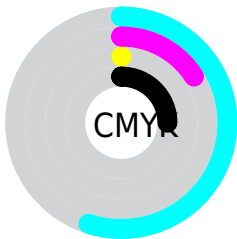
Blue (75%)



Red (34%)

Yellow (51%)

Blue (75%)

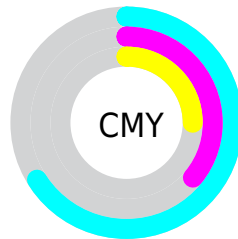


Cyan (55%)

Magenta (16%)

Yellow (0%)

Black (25%)



Cyan (66%)

Magenta (36%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6249, 0.2336, 0.2811 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 31.6249, 0.2336, 0.2811 by changing the saturation by 10% instead.

■ 31.6249, 0.2336,
0.2811

■ 31.6249, 0.2336,
0.2811

■ 309.4070, 0.2744,
0.3071

■ 21.0752, 0.2232,
0.2740

■ 62.2226, 0.2486,
0.2910

■ 13.1789, 0.2097,
0.2644

■ 83.0393, 0.2542,
0.2946

■ 7.5519, 0.1917,
0.2512

■ 108.0472, 0.2589,
0.2976

■ 3.8096, 0.1666,
0.2316

■ 137.6305, 0.2629,
0.3001

■ 1.5676, 0.1303,
0.2007

■ 172.1738, 0.2664,
0.3023

■ 0.3356, 0.0000,
0.1264

■ 212.0614, 0.2694,

■ 0.0000, 0.0000,

0.3041

0.0000

257.6776, 0.2720,
0.3057

■ 31.6249, 0.2336,
0.2811

■ 31.6249, 0.2336,
0.2811

■ 28.9558, 0.2225,
0.2707

■ 34.6243, 0.2462,
0.2912

■ 26.5924, 0.2132,
0.2600

■ 37.9694, 0.2599,
0.3007

■ 24.5115, 0.2059,
0.2494

■ 41.6786, 0.2745,
0.3096

■ 22.6836, 0.2005,
0.2388

■ 45.7676, 0.2896,
0.3179

■ 21.8608, 0.1983,
0.2337

■ 50.2514, 0.3049,
0.3254

■ 55.1438, 0.3201,
0.3322

■ 60.4580, 0.3350,
0.3383

■ 66.2065, 0.3495,
0.3437

■ 71.6496, 0.3603,
0.3487

Harmonies

Analogous

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



31.6249, 0.2404, 0.3156



31.6249, 0.2336, 0.2811



31.6249, 0.2458, 0.2623

Triad

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



31.6249, 0.2336, 0.2811



31.6249, 0.3597, 0.3009



31.6249, 0.3469, 0.4069

Complementary

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



31.6249, 0.2336, 0.2811



24.4049, 0.4494, 0.3694

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.



31.6249, 0.3818, 0.3961



31.6249, 0.2336, 0.2811



31.6249, 0.3905, 0.3343

Square

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



31.6249, 0.2336, 0.2811



31.6249, 0.3167, 0.2748



31.6249, 0.3985, 0.3687



31.6249, 0.3042, 0.3933

Rectangle

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



31.6249, 0.2336, 0.2811



31.6249, 0.2638, 0.2594



31.6249, 0.3985, 0.3687



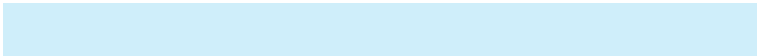
31.6249, 0.3599, 0.4058

Sweetspot

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



31.6261, 0.2336, 0.2811



81.2855, 0.2864, 0.3162



40.9544, 0.2876, 0.4555



17.1113, 0.2833, 0.3146



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.6261, 0.2336, 0.2811



51.6003, 0.2206, 0.2687



16.7388, 0.2148, 0.1909



10.9301, 0.2984, 0.3223



14.8446, 0.1986, 0.2351



0.7537, 0.2051, 0.2585

Inverse Universe

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



20.4895, 0.3568, 0.2314



31.1153, 0.3702, 0.2156



40.2846, 0.4066, 0.4354



10.1972, 0.3180, 0.3126



8.7808, 0.4074, 0.2018



0.3907, 0.3839, 0.1888

Previews

White Background



This preview shows how the Yxy color 31.6249, 0.2336, 0.2811 looks on a white background.

Color Contrast Check

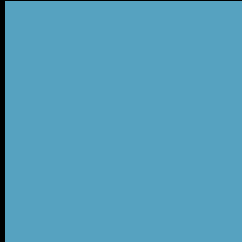
Large Text (above 18pt) WCAG AA × Fail

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 31.6249, 0.2336, 0.2811 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 31.6249, 0.2336, 0.2811

Background



This preview shows how black text looks on a background with the Yxy color 31.6249, 0.2336, 0.2811.

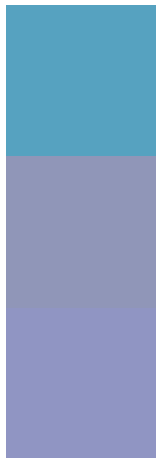


This preview shows how white text looks on a background with the Yxy color 31.6249, 0.2336, 0.2811.

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

31.6249, 0.2336, 0.2811

Protanopia

31.2027, 0.2773, 0.2786

Deuteranopia

31.3643, 0.2687, 0.2626



Tritanopia

31.5146, 0.2396, 0.3056

Trichromacy



Original Color

31.6249, 0.2336, 0.2811

Protanomaly

30.9100, 0.2583, 0.2783

Deuteranomaly

31.2172, 0.2536, 0.2687

Tritanomaly

31.4523, 0.2374, 0.2961

Monochromacy



Original Color

31.6249, 0.2336, 0.2811

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.5235, 0.2764, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6249, 0.2336, 0.2811 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(86, 162, 192)` looks like.

```
.text, #text, p{  
    color:rgb(86, 162, 192)  
}
```

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(86, 162, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 162, 192) }
```

Border

The CSS property to change the border of an element to Yxy 31.6249, 0.2336, 0.2811 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(86, 162, 192) }
```

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

```
.border{ border-color:rgb(86, 162, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 162, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 162, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 162, 192);  
box-shadow:4px 4px 4px 4px rgb(86, 162,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6249, 0.2336, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 162, 192) }
```

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

```
.background{ background-color: rgb(86, 162,  
192) }
```

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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