

Converting Colors

$Yxy(31.8311, 0.2208, 0.2784)$

Have a look what the booklet for
Yxy(31.8311, 0.2208, 0.2784)
contains.

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Color

Yxy(31.8256, 0.2211, 0.2790)

Conversions

Conversions Part 1

Format	Color
Hex	3BA5C4
RGB	59, 165, 196
RGB Percent	23%, 65%, 77%
CMY	0.7685, 0.3529, 0.2315
CMYK	0.70, 0.16, 0.00, 0.23
HSL	194°, 54%, 50%
HSV	194°, 70%, 77%
XYZ	25.2209, 31.8256, 57.0237
YIQ	136.8400, -73.1270, -12.8310

Conversions

Conversions Part 2

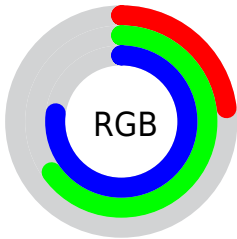
Format	Color
R _Y B	59, 119, 196
Decimal	3909060
CIE Lab	63.20, -20.07, -24.66
CIE LCh	63, 31.798, 230.858
Yxy	31.8256, 0.2211, 0.2790
Android (android.graphics.Color)	4282099140 (0xFF3BA5C4)
YUV	136.8400, 29.1659, -68.2657
Hunter-Lab	56.4142, -18.9233, -20.4407

Details

The Yxy color **31.8256, 0.2211, 0.2790** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **19.3600, 0.5132, 0.3652**, and the grayscale version is **24.8636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4892, 0.2381, 0.2890**, and **13.7632, 0.2065, 0.2635** is the 20% darker color. If you saturate the color by 10%, you get **29.7646, 0.2136, 0.2707**, and if you desaturate by 10%, it is **34.1690, 0.2305, 0.2872**.

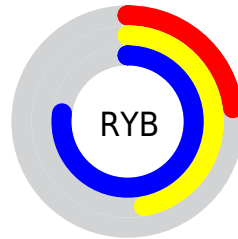
Distribution



Red (23%)

Green (65%)

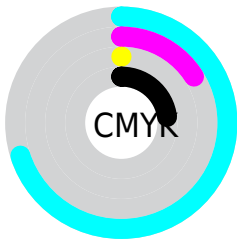
Blue (77%)



Red (23%)

Yellow (47%)

Blue (77%)

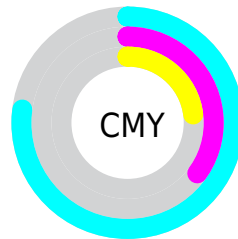


Cyan (70%)

Magenta (16%)

Yellow (0%)

Black (23%)



Cyan (77%)

Magenta (35%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8256, 0.2211, 0.2790 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 31.8256, 0.2211, 0.2790 by changing the saturation by 10% instead.

■ 31.8256, 0.2211,
0.2790

■ 31.8256, 0.2211,
0.2790

■ 310.3240, 0.2679,
0.3065

■ 21.2283, 0.2093,
0.2714

■ 62.5376, 0.2382,
0.2895

■ 13.2910, 0.1942,
0.2613

■ 83.4211, 0.2446,
0.2933

■ 7.6292, 0.1743,
0.2471

■ 108.5021, 0.2500,
0.2965

■ 3.8586, 0.1472,
0.2263

■ 138.1651, 0.2546,
0.2991

■ 1.5948, 0.1093,
0.1936

■ 172.7943, 0.2586,
0.3014

■ 0.3541, 0.0000,
0.1189

212.7743, 0.2621,

■ 0.0000, 0.0000,

0.3033

0.0000

258.4894, 0.2652,
0.3050

■ 31.8256, 0.2211,
0.2790

■ 31.8256, 0.2211,
0.2790

■ 29.7646, 0.2136,
0.2707

■ 34.1690, 0.2305,
0.2872

■ 27.9554, 0.2080,
0.2624

■ 36.8145, 0.2417,
0.2953

■ 26.3478, 0.2040,
0.2541

■ 39.7835, 0.2543,
0.3030

■ 26.3296, 0.2039,
0.2540

■ 43.0944, 0.2680,
0.3103

■ 46.7640, 0.2826,
0.3171

■ 50.8078, 0.2976,
0.3234

■ 55.2405, 0.3129,
0.3291

■ 60.0756, 0.3281,
0.3342

■ 65.3261, 0.3431,
0.3388

Harmonies

Analogous

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



31.8256, 0.2329, 0.3220



31.8256, 0.2211, 0.2790



31.8256, 0.2310, 0.2542

Triad

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



31.8256, 0.2211, 0.2790



31.8256, 0.3585, 0.2897



31.8256, 0.3609, 0.4201

Complementary

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



31.8256, 0.2211, 0.2790



19.3600, 0.5132, 0.3652

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.



31.8256, 0.3988, 0.4015



31.8256, 0.2211, 0.2790



31.8256, 0.3989, 0.3267

Square

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



31.8256, 0.2211, 0.2790



31.8256, 0.3072, 0.2621



31.8256, 0.4137, 0.3667



31.8256, 0.3117, 0.4107

Rectangle

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



31.8256, 0.2211, 0.2790



31.8256, 0.2490, 0.2487



31.8256, 0.4137, 0.3667



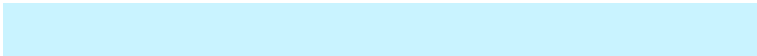
31.8256, 0.3754, 0.4165

Sweetspot

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



31.8268, 0.2211, 0.2790



83.7351, 0.2804, 0.3161



41.1160, 0.2897, 0.5105



17.5150, 0.2763, 0.3143



0.0000, 0.0000, 0.0000



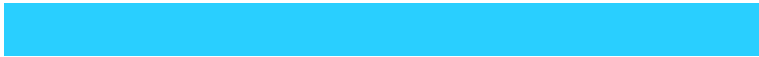
21.4041, 0.3127, 0.3290

Same Dimension

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



31.8268, 0.2211, 0.2790



52.0994, 0.2103, 0.2661



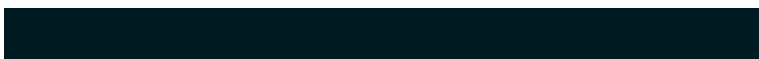
13.6177, 0.1925, 0.1626



11.0296, 0.2984, 0.3237



17.0563, 0.2042, 0.2552



0.8342, 0.2093, 0.2735

Inverse Universe

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



17.5796, 0.3616, 0.2043



27.3155, 0.3755, 0.1927



36.2211, 0.4393, 0.4466



10.2073, 0.3171, 0.3114



9.0041, 0.3871, 0.1906



0.3989, 0.3695, 0.1809

Previews

White Background



This preview shows how the Yxy color 31.8256, 0.2211, 0.2790 looks on a white background.

Color Contrast Check

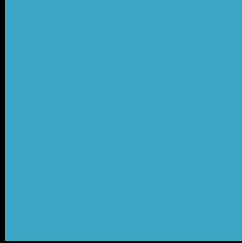
Large Text (above 18pt) WCAG AA × Fail

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 31.8256, 0.2211, 0.2790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

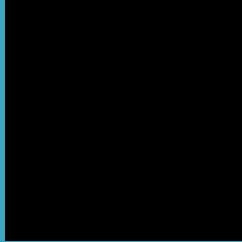
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8256, 0.2211, 0.2790

Background



This preview shows how black text looks on a background with the Yxy color 31.8256, 0.2211, 0.2790.

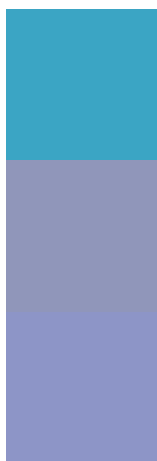


This preview shows how white text looks on a background with the Yxy color 31.8256, 0.2211, 0.2790.

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

31.8256, 0.2211, 0.2790

Protanopia

31.2872, 0.2757, 0.2759

Deuteranopia

31.2811, 0.2633, 0.2570



Tritanopia

31.9944, 0.2265, 0.3069

Trichromacy



Original Color

31.8256, 0.2211, 0.2790

Protanomaly

30.6711, 0.2492, 0.2747

Deuteranomaly

30.8994, 0.2428, 0.2635

Tritanomaly

31.9395, 0.2248, 0.2973

Monochromacy



Original Color

31.8256, 0.2211, 0.2790

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.5873, 0.2671, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8256, 0.2211, 0.2790 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(59, 165, 196)` looks like.

```
.text, #text, p{  
    color:rgb(59, 165, 196)  
}
```

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(59, 165, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 165, 196) }
```

Border

The CSS property to change the border of an element to Yxy 31.8256, 0.2211, 0.2790 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(59, 165, 196) }
```

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

```
.border{ border-color:rgb(59, 165, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 165, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 165, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 165, 196);  
box-shadow:4px 4px 4px 4px rgb(59, 165,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8256, 0.2211, 0.2790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 165, 196) }
```

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

```
.background{ background-color: rgb(59, 165,  
196) }
```

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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