

Converting Colors

$Y_{xy}(31.9068, 0.2058, 0.2610)$

Have a look what the booklet for
Yxy(31.9068, 0.2058, 0.2610)
contains.

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Color

Yxy(31.8759, 0.2058, 0.2609)

Conversions

Conversions Part 1

Format	Color
Hex	00A6D1
RGB	0, 166, 209
RGB Percent	0%, 65%, 82%
CMY	1.0000, 0.3490, 0.1803
CMYK	1.00, 0.21, 0.00, 0.18
HSL	192°, 100%, 41%
HSV	192°, 100%, 82%
XYZ	25.1440, 31.8759, 65.1568
YIQ	121.2680, -112.7390, -21.8190

Conversions

Conversions Part 2

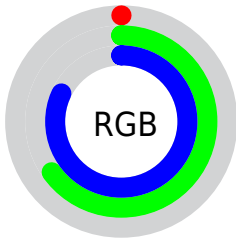
Format	Color
RYB	0, 93, 209
Decimal	42705
CIELab	63.24, -20.58, -31.92
CIELCh	63, 37.976, 237.186
Yxy	31.8759, 0.2058, 0.2609
Android (android.graphics.Color)	4278232785 (0xFF00A6D1)
YUV	121.2680, 43.2519, -106.3520
Hunter-Lab	56.4587, -19.3076, -28.9031

Details

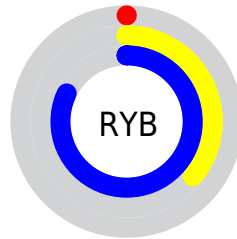
The Yxy color **31.8759, 0.2058, 0.2609** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.2856, 0.6178, 0.3477**, and the grayscale version is **19.0978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7577, 0.2296, 0.2872**, and **14.3677, 0.2011, 0.2438** is the 20% darker color. If you saturate the color by 10%, you get **31.8781, 0.2058, 0.2609**, and if you desaturate by 10%, it is **33.6265, 0.2095, 0.2683**.

Distribution



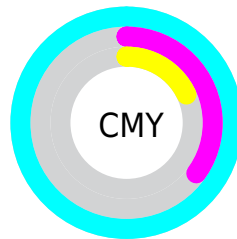
- Red (0%)
- Green (65%)
- Blue (82%)



- Red (0%)
- Yellow (36%)
- Blue (82%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (18%)




- Cyan (100%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8759, 0.2058, 0.2609 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 31.8759, 0.2058, 0.2609 by changing the saturation by 10% instead.


 31.8759, 0.2058,
0.2609


 31.8759, 0.2058,
0.2609


310.5535, 0.2597,
0.2977


 21.2667, 0.1926,
0.2510


 62.6165, 0.2253,
0.2748


 13.3191, 0.1759,
0.2381


 83.5167, 0.2327,
0.2799

 7.6487, 0.1543,
0.2204


 108.6160, 0.2389,
0.2841

 3.8710, 0.1259,
0.1955

 138.2989, 0.2442,
0.2877

 1.6016, 0.0884,
0.1588

 172.9497, 0.2489,
0.2907

 0.3587, 0.0000,
0.0872

212.9528, 0.2529,

 0.0000, 0.0000,

0.2934

0.0000

258.6926, 0.2565,
0.2957

■ 31.8759, 0.2058,
0.2609

■ 31.8759, 0.2058,
0.2609

■ 31.8781, 0.2058,
0.2609

■ 33.6265, 0.2095,
0.2683

■ 35.5990, 0.2147,
0.2759

■ 37.8541, 0.2219,
0.2834

■ 40.4235, 0.2310,
0.2909

■ 43.3344, 0.2419,
0.2982

■ 46.6105, 0.2543,
0.3052

■ 50.2731, 0.2679,
0.3118

■ 54.3418, 0.2823,
0.3181

■ 58.8347, 0.2974,
0.3238

Harmonies

Analogous

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



31.8759, 0.2137, 0.3073



31.8759, 0.2058, 0.2609



31.8759, 0.2223, 0.2378

Triad

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



31.8759, 0.2058, 0.2609



31.8759, 0.3792, 0.2909



31.8759, 0.3569, 0.4391

Complementary

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



31.8759, 0.2058, 0.2609



15.2856, 0.6178, 0.3477

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.



31.8759, 0.4065, 0.4208



31.8759, 0.2058, 0.2609



31.8759, 0.4224, 0.3349

Square

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



31.8759, 0.2058, 0.2609



31.8759, 0.3185, 0.2563



31.8759, 0.4319, 0.3812



31.8759, 0.2981, 0.4210

Rectangle

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



31.8759, 0.2058, 0.2609



31.8759, 0.2462, 0.2351



31.8759, 0.4319, 0.3812



31.8759, 0.3753, 0.4365

Sweetspot

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



31.8781, 0.2058, 0.2609



78.6288, 0.2674, 0.3116



45.7731, 0.2947, 0.5811



16.2912, 0.2615, 0.3088



0.0000, 0.0000, 0.0000



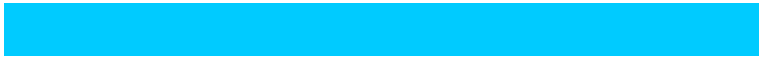
21.4041, 0.3127, 0.3290

Same Dimension

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



31.8781, 0.2058, 0.2609



49.7096, 0.2056, 0.2601



8.1264, 0.1607, 0.0984



12.9767, 0.2983, 0.3241



19.7972, 0.2061, 0.2620



1.2137, 0.2099, 0.2756

Inverse Universe

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



16.3105, 0.3815, 0.1875



25.5494, 0.3823, 0.1880



34.2104, 0.4850, 0.4531



11.9656, 0.3169, 0.3107



10.0698, 0.3805, 0.1870



0.5738, 0.3675, 0.1798

Previews

White Background



This preview shows how the Yxy color 31.8759, 0.2058, 0.2609 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 31.8759, 0.2058, 0.2609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

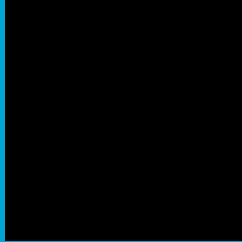
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8759, 0.2058, 0.2609

Background



This preview shows how black text looks on a background with the Yxy color 31.8759, 0.2058, 0.2609.



This preview shows how white text looks on a background with the Yxy color 31.8759, 0.2058, 0.2609.

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

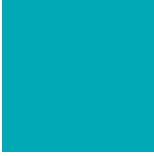
31.8759, 0.2058, 0.2609

Protanopia

31.4194, 0.2640, 0.2609

Deuteranopia

31.4421, 0.2463, 0.2399



Tritanopia

31.7533, 0.2185, 0.3066

Trichromacy



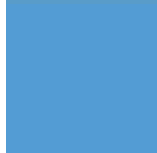
Original Color

31.8759, 0.2058, 0.2609



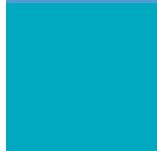
Protanomaly

30.1178, 0.2282, 0.2589



Deuteranomaly

30.3694, 0.2197, 0.2441



Tritanomaly

31.8110, 0.2136, 0.2889

Monochromacy



Original Color

31.8759, 0.2058, 0.2609



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.7690, 0.2435, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8759, 0.2058, 0.2609 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(0, 166, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 209)  
}
```

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(0, 166, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 209) }
```

Border

The CSS property to change the border of an element to Yxy 31.8759, 0.2058, 0.2609 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(0, 166, 209) }
```

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

```
.border{ border-color:rgb(0, 166, 209) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8759, 0.2058, 0.2609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 209) }
```

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

```
.background{ background-color: rgb(0, 166,  
209) }
```

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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