

Converting Colors

$Y_{xy}(33.8870, 0.1966, 0.2585)$

Have a look what the booklet for
Yxy(33.8870, 0.1966, 0.2585)
contains.

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Color

Yxy(34.9491, 0.2057, 0.2605)

Conversions

Conversions Part 1

Format	Color
Hex	00ADDA
RGB	0, 173, 218
RGB Percent	0%, 68%, 85%
CMY	1.0000, 0.3216, 0.1451
CMYK	1.00, 0.21, 0.00, 0.15
HSL	192°, 100%, 43%
HSV	192°, 100%, 85%
XYZ	27.5970, 34.9491, 71.6155
YIQ	126.4030, -117.5530, -22.6810

Conversions

Conversions Part 2

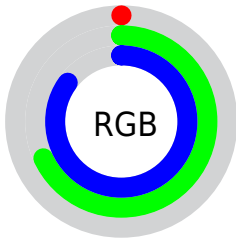
Format	Color
RYB	0, 96, 218
Decimal	44506
CIELab	65.71, -21.11, -33.05
CIELCh	66, 39.217, 237.442
Yxy	34.9491, 0.2057, 0.2605
Android (android.graphics.Color)	4278234586 (0xFF00ADDA)
YUV	126.4030, 45.1573, -110.8554
Hunter-Lab	59.1178, -20.1297, -30.4417

Details

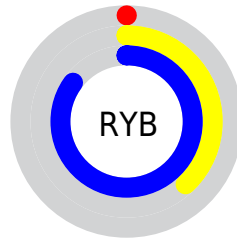
The Yxy color **34.9491, 0.2057, 0.2605** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.7803, 0.6181, 0.3475**, and the grayscale version is **20.8822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2619, 0.2329, 0.2974**, and **16.3191, 0.2011, 0.2441** is the 20% darker color. If you saturate the color by 10%, you get **34.9504, 0.2057, 0.2605**, and if you desaturate by 10%, it is **36.8733, 0.2093, 0.2680**.

Distribution



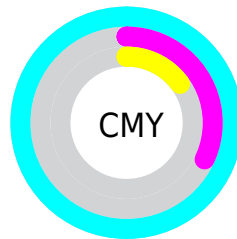
- Red (0%)
- Green (68%)
- Blue (85%)



- Red (0%)
- Yellow (38%)
- Blue (85%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)




- Cyan (100%)
- Magenta (32%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9491, 0.2057, 0.2605 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 34.9491, 0.2057, 0.2605 by changing the saturation by 10% instead.


 34.9491, 0.2057,
0.2605


 34.9491, 0.2057,
0.2605


324.3436, 0.2588,
0.2970

 23.6237, 0.1929,
0.2509


 67.4069, 0.2247,
0.2742


 15.0547, 0.1769,
0.2385


 89.3081, 0.2320,
0.2792


 8.8578, 0.1564,
0.2217


 115.5033, 0.2381,
0.2834

 4.6485, 0.1297,
0.1984

 146.3769, 0.2434,
0.2869

 2.0426, 0.0946,
0.1647

 182.3134, 0.2480,
0.2900

 0.6320, 0.0156,
0.1153

223.6970, 0.2521,

 0.0000, 0.0000,

0.2926

0.0000

270.9123, 0.2556,
0.2949

■ 34.9491, 0.2057,
0.2605

■ 34.9491, 0.2057,
0.2605

■ 34.9504, 0.2057,
0.2605

■ 36.8733, 0.2093,
0.2680

■ 39.0449, 0.2146,
0.2755

■ 41.5283, 0.2217,
0.2831

■ 44.3588, 0.2309,
0.2906

■ 47.5666, 0.2417,
0.2980

■ 51.1780, 0.2541,
0.3050

■ 55.2166, 0.2678,
0.3117

■ 59.7042, 0.2823,
0.3180

■ 64.6608, 0.2974,
0.3238

Harmonies

Analogous

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



34.9491, 0.2134, 0.3068



34.9491, 0.2057, 0.2605



34.9491, 0.2224, 0.2375

Triad

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



34.9491, 0.2057, 0.2605



34.9491, 0.3798, 0.2912



34.9491, 0.3565, 0.4393

Complementary

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



34.9491, 0.2057, 0.2605



16.7803, 0.6181, 0.3475

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.



34.9491, 0.4063, 0.4212



34.9491, 0.2057, 0.2605



34.9491, 0.4228, 0.3353

Square

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



34.9491, 0.2057, 0.2605



34.9491, 0.3190, 0.2565



34.9491, 0.4320, 0.3817



34.9491, 0.2976, 0.4208

Rectangle

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



34.9491, 0.2057, 0.2605



34.9491, 0.2464, 0.2350



34.9491, 0.4320, 0.3817



34.9491, 0.3749, 0.4367

Sweetspot

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



34.9504, 0.2057, 0.2605



78.6015, 0.2674, 0.3116



50.3180, 0.2948, 0.5814



16.2846, 0.2615, 0.3088



0.0000, 0.0000, 0.0000



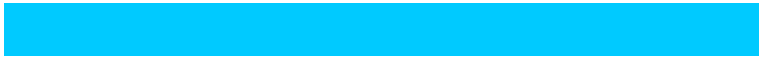
21.4041, 0.3127, 0.3290

Same Dimension

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



34.9504, 0.2057, 0.2605



49.6367, 0.2055, 0.2599



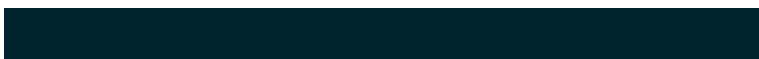
8.8880, 0.1606, 0.0980



14.3494, 0.2982, 0.3241



21.0991, 0.2060, 0.2616



1.4842, 0.2094, 0.2738

Inverse Universe

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



17.9216, 0.3819, 0.1878



25.5420, 0.3825, 0.1881



37.5545, 0.4852, 0.4529



13.2264, 0.3169, 0.3106



10.7537, 0.3808, 0.1872



0.7085, 0.3692, 0.1808

Previews

White Background



This preview shows how the Yxy color 34.9491, 0.2057, 0.2605 looks on a white background.

Color Contrast Check

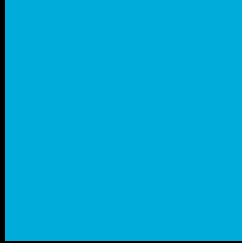
Large Text (above 18pt) WCAG AA × Fail

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 34.9491, 0.2057, 0.2605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

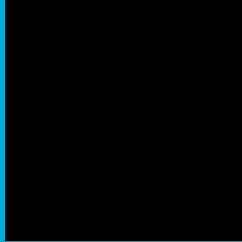
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9491, 0.2057, 0.2605

Background



This preview shows how black text looks on a background with the Yxy color 34.9491, 0.2057, 0.2605.

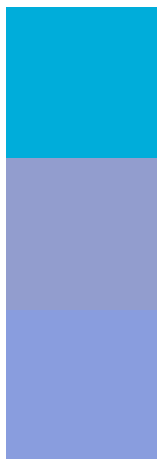


This preview shows how white text looks on a background with the Yxy color 34.9491, 0.2057, 0.2605.

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

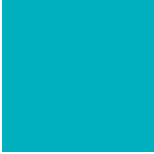
34.9491, 0.2057, 0.2605

Protanopia

34.6812, 0.2636, 0.2608

Deuteranopia

34.7062, 0.2466, 0.2407



Tritanopia

34.7684, 0.2183, 0.3058

Trichromacy



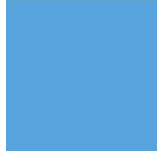
Original Color

34.9491, 0.2057, 0.2605



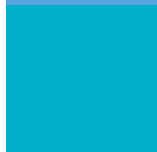
Protanomaly

33.1747, 0.2280, 0.2587



Deuteranomaly

33.4411, 0.2199, 0.2445



Tritanomaly

34.8301, 0.2136, 0.2888

Monochromacy



Original Color

34.9491, 0.2057, 0.2605



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.8536, 0.2435, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9491, 0.2057, 0.2605 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, 173, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 218)  
}
```

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, 173, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 218) }
```

Border

The CSS property to change the border of an element to Yxy 34.9491, 0.2057, 0.2605 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, 173, 218) }
```

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

```
.border{ border-color:rgb(0, 173, 218) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9491, 0.2057, 0.2605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 218) }
```

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

```
.background{ background-color: rgb(0, 173,  
218) }
```

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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