

Converting Colors

$Y_{xy}(34.8579, 0.2178, 0.3040)$

Have a look what the booklet for
Yxy(34.8579, 0.2178, 0.3040)
contains.

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Color

Yxy(34.8123, 0.2178, 0.3042)

Conversions

Conversions Part 1

Format	Color
Hex	00B0BF
RGB	0, 176, 191
RGB Percent	0%, 69%, 75%
CMY	1.0000, 0.3098, 0.2509
CMYK	1.00, 0.08, 0.00, 0.25
HSL	185°, 100%, 37%
HSV	185°, 100%, 75%
XYZ	24.9248, 34.8123, 54.7018
YIQ	125.0860, -109.7110, -32.6470

Conversions

Conversions Part 2

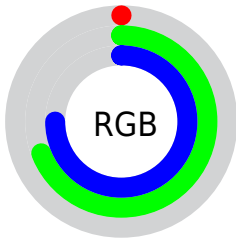
Format	Color
RYB	0, 92, 191
Decimal	45247
CIELab	65.60, -31.70, -18.30
CIElCh	66, 36.599, 209.999
Yxy	34.8123, 0.2178, 0.3042
Android (android.graphics.Color)	4278235327 (0xFF00B0BF)
YUV	125.0860, 32.4956, -109.7004
Hunter-Lab	59.0019, -27.8479, -13.6675

Details

The Yxy color **34.8123, 0.2178, 0.3042** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.4195, 0.6344, 0.3345**, and the grayscale version is **20.4575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1380, 0.2353, 0.3104**, and **16.0009, 0.2154, 0.2953** is the 20% darker color. If you saturate the color by 10%, you get **34.8171, 0.2178, 0.3042**, and if you desaturate by 10%, it is **35.5481, 0.2201, 0.3068**.

Distribution



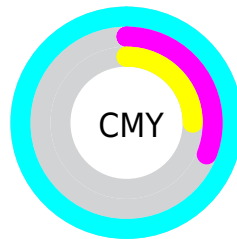
- Red (0%)
- Green (69%)
- Blue (75%)



- Red (0%)
- Yellow (36%)
- Blue (75%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (31%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8123, 0.2178, 0.3042 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 34.8123, 0.2178, 0.3042 by changing the saturation by 10% instead.

 34.8123, 0.2178,
0.3042


 34.8123, 0.2178,
0.3042


323.7391, 0.2657,
0.3188


 23.5183, 0.2059,
0.2998


 67.1949, 0.2352,
0.3100


 14.9767, 0.1907,
0.2938


 89.0523, 0.2417,
0.3120

 8.8030, 0.1709,
0.2851


 115.1996, 0.2473,
0.3137

 4.6129, 0.1440,
0.2715

 146.0213, 0.2520,
0.3151

 2.0220, 0.1067,
0.2485

 181.9017, 0.2561,
0.3162

 0.6202, 0.0000,
0.2101

223.2252, 0.2597,

 0.0000, 0.0000,

0.3172

0.0000

270.3762, 0.2629,
0.3180

■ 34.8123, 0.2178,
0.3042

■ 34.8123, 0.2178,
0.3042

■ 34.8171, 0.2178,
0.3042

■ 35.5481, 0.2201,
0.3068

■ 36.4226, 0.2237,
0.3095

■ 37.4901, 0.2293,
0.3121

■ 38.7756, 0.2367,
0.3148

■ 40.3003, 0.2459,
0.3175

■ 42.0829, 0.2569,
0.3200

■ 44.1400, 0.2693,
0.3225

■ 46.4870, 0.2829,
0.3248

■ 49.1381, 0.2975,
0.3270

Harmonies

Analogous

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



34.8123, 0.2466, 0.3607



34.8123, 0.2178, 0.3042



34.8123, 0.2124, 0.2623

Triad

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



34.8123, 0.2178, 0.3042



34.8123, 0.3238, 0.2630



34.8123, 0.3974, 0.4182

Complementary

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



34.8123, 0.2178, 0.3042



11.4195, 0.6344, 0.3345

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.



34.8123, 0.4235, 0.3827



34.8123, 0.2178, 0.3042



34.8123, 0.3798, 0.2969

Square

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



34.8123, 0.2178, 0.3042



34.8123, 0.2693, 0.2433



34.8123, 0.4176, 0.3392



34.8123, 0.3496, 0.4318

Rectangle

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



34.8123, 0.2178, 0.3042



34.8123, 0.2217, 0.2464



34.8123, 0.4176, 0.3392



34.8123, 0.4092, 0.4080

Sweetspot

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



34.8171, 0.2178, 0.3042



78.8583, 0.2687, 0.3224



37.2949, 0.2989, 0.5959



16.9599, 0.2632, 0.3213



97.7402, 0.3127, 0.3290



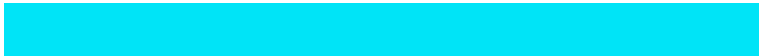
20.4902, 0.3127, 0.3290

Same Dimension

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



34.8171, 0.2178, 0.3042



62.1829, 0.2177, 0.3038



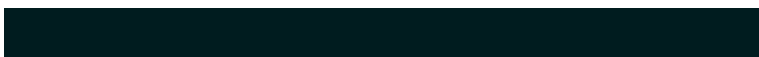
9.9137, 0.1711, 0.1359



10.6778, 0.2985, 0.3271



22.9327, 0.2179, 0.3046



0.9367, 0.2197, 0.3108

Inverse Universe

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



14.2128, 0.3417, 0.1656



25.4352, 0.3421, 0.1658



21.8536, 0.5216, 0.4241



9.6830, 0.3149, 0.3081



9.3448, 0.3414, 0.1654



0.3699, 0.3360, 0.1625

Previews

White Background



This preview shows how the Yxy color 34.8123, 0.2178, 0.3042 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 34.8123, 0.2178, 0.3042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

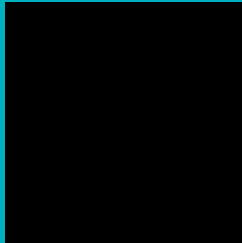
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.8123, 0.2178, 0.3042

Background



This preview shows how black text looks on a background with the Yxy color 34.8123, 0.2178, 0.3042.

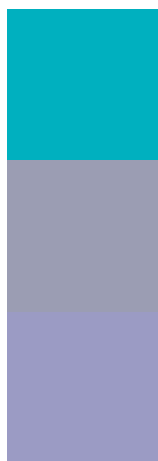


This preview shows how white text looks on a background with the Yxy color 34.8123, 0.2178, 0.3042.

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

34.8123, 0.2178, 0.3042

Protanopia

34.3372, 0.2918, 0.2972

Deuteranopia

34.3968, 0.2780, 0.2717



Tritanopia

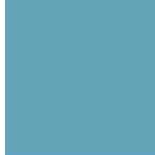
34.7684, 0.2183, 0.3058

Trichromacy



Original Color

34.8123, 0.2178, 0.3042



Protanomaly

32.6225, 0.2468, 0.2986



Deuteranomaly

32.7421, 0.2400, 0.2808



Tritanomaly

34.7684, 0.2183, 0.3058

Monochromacy



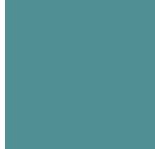
Original Color

34.8123, 0.2178, 0.3042



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.8219, 0.2508, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8123, 0.2178, 0.3042 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, 176, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 191)  
}
```

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, 176, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 191) }
```

Border

The CSS property to change the border of an element to Yxy 34.8123, 0.2178, 0.3042 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, 176, 191) }
```

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

```
.border{ border-color:rgb(0, 176, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8123, 0.2178, 0.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 191) }
```

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

```
.background{ background-color: rgb(0, 176,  
191) }
```

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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