

Converting Colors

$Y_{xy}(35.8105, 0.2189, 0.3080)$

Have a look what the booklet for
Yxy(35.8105, 0.2189, 0.3080)
contains.

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Color

Yxy(35.6024, 0.2188, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	00B2BF
RGB	0, 178, 191
RGB Percent	0%, 70%, 75%
CMY	0.9990, 0.3020, 0.2511
CMYK	1.00, 0.07, 0.00, 0.25
HSL	184°, 100%, 37%
HSV	184°, 100%, 75%
XYZ	25.3245, 35.6024, 54.8157
YIQ	126.2600, -110.2610, -33.6930

Conversions

Conversions Part 2

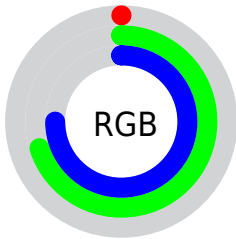
Format	Color
RYB	0, 92, 191
Decimal	45759
CIELab	66.22, -32.64, -17.35
CIELCh	66, 36.962, 208.000
Yxy	35.6024, 0.2188, 0.3076
Android (android.graphics.Color)	4278235839 (0xFF00B2BF)
YUV	126.2600, 31.9168, -110.7300
Hunter-Lab	59.6677, -28.6588, -12.7012

Details

The Yxy color **35.6024, 0.2188, 0.3076** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.3680, 0.6351, 0.3338**, and the grayscale version is **20.9000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2704, 0.2359, 0.3129**, and **16.5022, 0.2166, 0.2999** is the 20% darker color. If you saturate the color by 10%, you get **35.5956, 0.2188, 0.3076**, and if you desaturate by 10%, it is **36.2637, 0.2209, 0.3098**.

Distribution



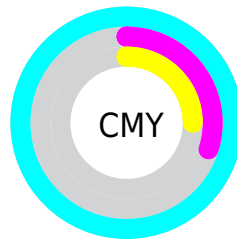
- Red (0%)
- Green (70%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (30%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6024, 0.2188, 0.3076 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 35.6024, 0.2188, 0.3076 by changing the saturation by 10% instead.

 35.6024, 0.2188,
0.3076


 35.6024, 0.2188,
0.3076


327.2194, 0.2661,
0.3203


 24.1273, 0.2071,
0.3037


 68.4179, 0.2360,
0.3127

 15.4281, 0.1922,
0.2984


 90.5271, 0.2424,
0.3145

 9.1204, 0.1726,
0.2906


 116.9498, 0.2479,
0.3159

 4.8198, 0.1462,
0.2783

 148.0704, 0.2525,
0.3171

 2.1419, 0.1095,
0.2573

 184.2732, 0.2566,
0.3181

 0.6880, 0.0000,
0.2268

225.9428, 0.2602,

 0.0000, 0.0000,

0.3190

0.0000

273.4633, 0.2633,
0.3197

■ 35.6024, 0.2188,
0.3076

■ 35.6024, 0.2188,
0.3076

■ 35.5956, 0.2188,
0.3076

■ 36.2637, 0.2209,
0.3098

■ 37.0668, 0.2245,
0.3121

■ 38.0615, 0.2299,
0.3144

■ 39.2728, 0.2372,
0.3167

■ 40.7219, 0.2463,
0.3190

■ 42.4273, 0.2572,
0.3212

■ 44.4057, 0.2695,
0.3234

■ 46.6725, 0.2831,
0.3254

■ 49.2417, 0.2977,
0.3273

Harmonies

Analogous

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



35.6024, 0.2491, 0.3646



35.6024, 0.2188, 0.3076



35.6024, 0.2118, 0.2643

Triad

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



35.6024, 0.2188, 0.3076



35.6024, 0.3199, 0.2610



35.6024, 0.4002, 0.4165

Complementary

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



35.6024, 0.2188, 0.3076



11.3680, 0.6351, 0.3338

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.



35.6024, 0.4245, 0.3800



35.6024, 0.2188, 0.3076



35.6024, 0.3766, 0.2942

Square

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



35.6024, 0.2188, 0.3076



35.6024, 0.2660, 0.2425



35.6024, 0.4163, 0.3363



35.6024, 0.3533, 0.4321

Rectangle

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



35.6024, 0.2188, 0.3076



35.6024, 0.2202, 0.2474



35.6024, 0.4163, 0.3363



35.6024, 0.4114, 0.4059

Sweetspot

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



35.6037, 0.2188, 0.3076



79.3211, 0.2688, 0.3233



37.2837, 0.2989, 0.5958



17.0753, 0.2633, 0.3224



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.



35.6037, 0.2188, 0.3076



63.6197, 0.2187, 0.3072



9.9329, 0.1712, 0.1361



10.6953, 0.2985, 0.3274



23.4459, 0.2189, 0.3079



0.9521, 0.2204, 0.3133

Inverse Universe

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



14.2936, 0.3388, 0.1640



25.5802, 0.3391, 0.1642



21.8687, 0.5213, 0.4241



9.6848, 0.3148, 0.3079



9.3966, 0.3385, 0.1639



0.3715, 0.3339, 0.1613

Previews

White Background



This preview shows how the Yxy color 35.6024, 0.2188, 0.3076 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 35.6024, 0.2188, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

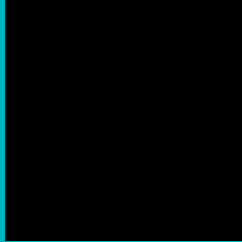
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6024, 0.2188, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 35.6024, 0.2188, 0.3076.

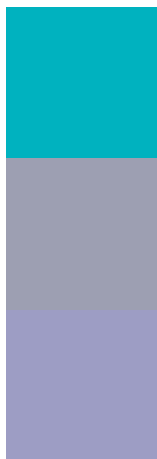


This preview shows how white text looks on a background with the Yxy color 35.6024, 0.2188, 0.3076.

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

35.6024, 0.2188, 0.3076

Protanopia

35.1787, 0.2945, 0.3017

Deuteranopia

35.2676, 0.2799, 0.2748



Tritanopia

35.7247, 0.2192, 0.3061

Trichromacy



Original Color

35.6024, 0.2188, 0.3076



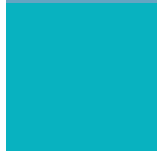
Protanomaly

33.4007, 0.2480, 0.3019



Deuteranomaly

33.5146, 0.2411, 0.2841



Tritanomaly

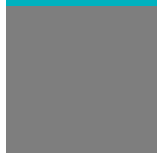
35.6982, 0.2189, 0.3060

Monochromacy



Original Color

35.6024, 0.2188, 0.3076



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.1583, 0.2505, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6024, 0.2188, 0.3076 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, 178, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 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, 178, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 191) }
```

Border

The CSS property to change the border of an element to Yxy 35.6024, 0.2188, 0.3076 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, 178, 191) }
```

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

```
.border{ border-color:rgb(0, 178, 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, 178, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6024, 0.2188, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 191) }
```

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

```
.background{ background-color: rgb(0, 178,  
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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