

Converting Colors

$Y_{xy}(35.3751, 0.2166, 0.2997)$

Have a look what the booklet for
Yxy(35.3751, 0.2166, 0.2997)
contains.

Yxy(35.3844, 0.2166, 0.2997)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.3844, 0.2166, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	00B1C3
RGB	0, 177, 195
RGB Percent	0%, 69%, 76%
CMY	0.9994, 0.3059, 0.2353
CMYK	1.00, 0.09, 0.00, 0.24
HSL	186°, 100%, 38%
HSV	186°, 100%, 76%
XYZ	25.5731, 35.3844, 57.1086
YIQ	126.1290, -111.2700, -31.9260

Conversions

Conversions Part 2

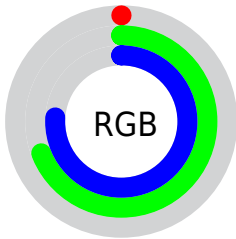
Format	Color
RYB	0, 93, 195
Decimal	45507
CIELab	66.05, -30.86, -19.83
CIELCh	66, 36.684, 212.724
Yxy	35.3844, 0.2166, 0.2997
Android (android.graphics.Color)	4278235587 (0xFF00B1C3)
YUV	126.1290, 33.9534, -110.6151
Hunter-Lab	59.4848, -27.3594, -15.2822

Details

The Yxy color **35.3844, 0.2166, 0.2997** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **12.0397, 0.6331, 0.3354**, and the grayscale version is **20.8385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0728, 0.2339, 0.3058**, and **16.3384, 0.2143, 0.2914** is the 20% darker color. If you saturate the color by 10%, you get **35.3786, 0.2166, 0.2997**, and if you desaturate by 10%, it is **36.2460, 0.2190, 0.3028**.

Distribution



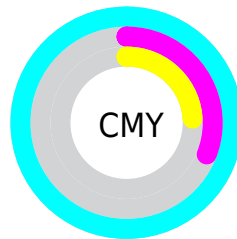
- Red (0%)
- Green (69%)
- Blue (76%)



- Red (0%)
- Yellow (36%)
- Blue (76%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (24%)




- Cyan (100%)
- Magenta (31%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3844, 0.2166, 0.2997 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 35.3844, 0.2166, 0.2997 by changing the saturation by 10% instead.


 35.3844, 0.2166,
0.2997


 35.3844, 0.2166,
0.2997


326.2618, 0.2649,
0.3166

 23.9591, 0.2047,
0.2948


 68.0808, 0.2341,
0.3064

 15.3033, 0.1895,
0.2881


 90.1208, 0.2407,
0.3087

 9.0325, 0.1698,
0.2784


 116.4678, 0.2463,
0.3106

 4.7624, 0.1432,
0.2637

 147.5062, 0.2510,
0.3122

 2.1085, 0.1066,
0.2394

 183.6204, 0.2552,
0.3136

 0.6694, 0.0000,
0.2026

225.1948, 0.2588,

 0.0000, 0.0000,

0.3147

0.0000

272.6138, 0.2620,
0.3157

■ 35.3844, 0.2166,
0.2997

■ 35.3844, 0.2166,
0.2997

■ 35.3786, 0.2166,
0.2997

■ 36.2460, 0.2190,
0.3028

■ 37.2610, 0.2228,
0.3060

■ 38.4811, 0.2285,
0.3091

■ 39.9327, 0.2361,
0.3123

■ 41.6382, 0.2455,
0.3154

■ 43.6171, 0.2566,
0.3185

■ 45.8870, 0.2692,
0.3214

■ 48.4642, 0.2830,
0.3241

■ 51.3633, 0.2976,
0.3267

Harmonies

Analogous

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



35.3844, 0.2433, 0.3553



35.3844, 0.2166, 0.2997



35.3844, 0.2133, 0.2598

Triad

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



35.3844, 0.2166, 0.2997



35.3844, 0.3291, 0.2657



35.3844, 0.3936, 0.4203

Complementary

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



35.3844, 0.2166, 0.2997



12.0397, 0.6331, 0.3354

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.



35.3844, 0.4220, 0.3863



35.3844, 0.2166, 0.2997



35.3844, 0.3840, 0.3006

Square

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



35.3844, 0.2166, 0.2997



35.3844, 0.2739, 0.2446



35.3844, 0.4193, 0.3432



35.3844, 0.3446, 0.4311

Rectangle

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



35.3844, 0.2166, 0.2997



35.3844, 0.2240, 0.2453



35.3844, 0.4193, 0.3432



35.3844, 0.4060, 0.4107

Sweetspot

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



35.3857, 0.2166, 0.2997



81.9510, 0.2685, 0.3212



39.0680, 0.2985, 0.5947



17.5520, 0.2630, 0.3200



0.0000, 0.0000, 0.0000



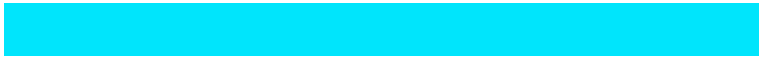
21.4041, 0.3127, 0.3290

Same Dimension

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



35.3857, 0.2166, 0.2997



63.1694, 0.2165, 0.2992



9.8771, 0.1697, 0.1307



11.2642, 0.2984, 0.3268



23.0608, 0.2167, 0.3001



1.0437, 0.2186, 0.3071

Inverse Universe

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



14.7795, 0.3457, 0.1678



26.4442, 0.3461, 0.1680



23.5951, 0.5168, 0.4278



10.2310, 0.3151, 0.3084



9.6102, 0.3453, 0.1676



0.4200, 0.3393, 0.1643

Previews

White Background



This preview shows how the Yxy color 35.3844, 0.2166, 0.2997 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 35.3844, 0.2166, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

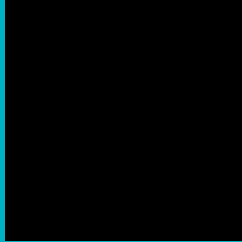
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3844, 0.2166, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 35.3844, 0.2166, 0.2997.

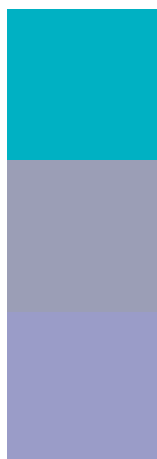


This preview shows how white text looks on a background with the Yxy color 35.3844, 0.2166, 0.2997.

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

35.3844, 0.2166, 0.2997

Protanopia

34.7997, 0.2893, 0.2945

Deuteranopia

34.8171, 0.2743, 0.2679



Tritanopia

35.2501, 0.2179, 0.3043

Trichromacy



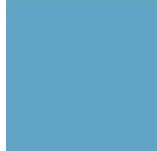
Original Color

35.3844, 0.2166, 0.2997



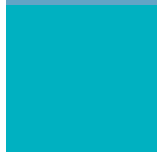
Protanomaly

33.1508, 0.2447, 0.2942



Deuteranomaly

33.2248, 0.2374, 0.2767



Tritanomaly

35.2945, 0.2174, 0.3028

Monochromacy



Original Color

35.3844, 0.2166, 0.2997



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.1906, 0.2497, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3844, 0.2166, 0.2997 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, 177, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 195)  
}
```

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, 177, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 195) }
```

Border

The CSS property to change the border of an element to Yxy 35.3844, 0.2166, 0.2997 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, 177, 195) }
```

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

```
.border{ border-color:rgb(0, 177, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3844, 0.2166, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 195) }
```

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

```
.background{ background-color: rgb(0, 177,  
195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor