

Converting Colors

$Y_{xy}(28.8095, 0.1145, 0.2809)$

Have a look what the booklet for
Yxy(28.8095, 0.1145, 0.2809)
contains.

Yxy(36.5998, 0.2138, 0.2896)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.5998, 0.2138, 0.2896)

Conversions

Conversions Part 1

Format	Color
Hex	00B3CC
RGB	0, 179, 204
RGB Percent	0%, 70%, 80%
CMY	0.9990, 0.2980, 0.2000
CMYK	1.00, 0.12, 0.00, 0.20
HSL	187°, 100%, 40%
HSV	187°, 100%, 80%
XYZ	27.0202, 36.5998, 62.7606
YIQ	128.3290, -114.7090, -30.1730

Conversions

Conversions Part 2

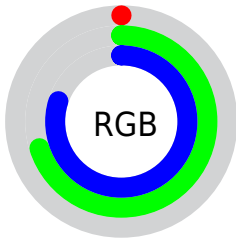
Format	Color
RYB	0, 95, 204
Decimal	46028
CIELab	66.98, -28.89, -23.38
CIELCh	67, 37.166, 218.989
Yxy	36.5998, 0.2138, 0.2896
Android (android.graphics.Color)	4278236108 (0xFF00B3CC)
YUV	128.3290, 37.3058, -112.5445
Hunter-Lab	60.4978, -26.1475, -19.1592

Details

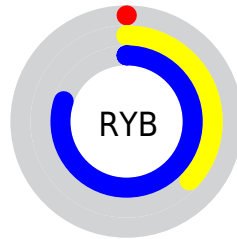
The Yxy color **36.5998, 0.2138, 0.2896** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **13.5426, 0.6300, 0.3378**, and the grayscale version is **21.6324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5202, 0.2339, 0.3048**, and **17.1237, 0.2106, 0.2781** is the 20% darker color. If you saturate the color by 10%, you get **36.5867, 0.2138, 0.2895**, and if you desaturate by 10%, it is **37.7673, 0.2165, 0.2938**.

Distribution



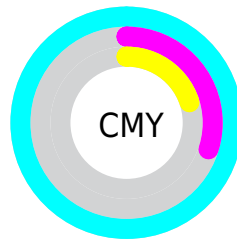
- Red (0%)
- Green (70%)
- Blue (80%)



- Red (0%)
- Yellow (37%)
- Blue (80%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (20%)




- Cyan (100%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5998, 0.2138, 0.2896 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 36.5998, 0.2138, 0.2896 by changing the saturation by 10% instead.


 36.5998, 0.2138,
0.2896


 36.5998, 0.2138,
0.2896


331.5746, 0.2630,
0.3115

 24.8978, 0.2018,
0.2835


 69.9568, 0.2315,
0.2981


 16.0009, 0.1867,
0.2753


 92.3807, 0.2382,
0.3011

 9.5248, 0.1671,
0.2638


 119.1472, 0.2439,
0.3036

 5.0850, 0.1411,
0.2469

 150.6409, 0.2488,
0.3057

 2.2972, 0.1059,
0.2202

 187.2461, 0.2531,
0.3075

 0.7723, 0.0068,
0.1837

229.3471, 0.2568,

 0.0000, 0.0000,

0.3090

0.0000

277.3285, 0.2601,
0.3104

■ 36.5998, 0.2138,
0.2896

■ 36.5998, 0.2138,
0.2896

■ 36.5867, 0.2138,
0.2895

■ 37.7673, 0.2165,
0.2938

■ 39.1147, 0.2207,
0.2981

■ 40.6976, 0.2268,
0.3024

■ 42.5457, 0.2347,
0.3067

■ 44.6839, 0.2446,
0.3109

■ 47.1343, 0.2560,
0.3150

■ 49.9166, 0.2689,
0.3189

■ 53.0487, 0.2828,
0.3225

■ 56.5475, 0.2976,
0.3259

Harmonies

Analogous

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



36.5998, 0.2357, 0.3432



36.5998, 0.2138, 0.2896



36.5998, 0.2154, 0.2540

Triad

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



36.5998, 0.2138, 0.2896



36.5998, 0.3412, 0.2720



36.5998, 0.3847, 0.4251

Complementary

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



36.5998, 0.2138, 0.2896



13.5426, 0.6300, 0.3378

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.



36.5998, 0.4186, 0.3946



36.5998, 0.2138, 0.2896



36.5998, 0.3938, 0.3090

Square

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



36.5998, 0.2138, 0.2896



36.5998, 0.2845, 0.2475



36.5998, 0.4229, 0.3524



36.5998, 0.3331, 0.4293

Rectangle

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



36.5998, 0.2138, 0.2896



36.5998, 0.2293, 0.2426



36.5998, 0.4229, 0.3524



36.5998, 0.3986, 0.4171

Sweetspot

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



36.6011, 0.2138, 0.2896



82.4225, 0.2682, 0.3187



43.2491, 0.2978, 0.5918



17.2084, 0.2626, 0.3170



0.0000, 0.0000, 0.0000



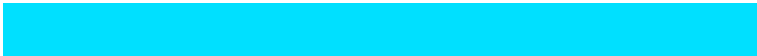
21.4041, 0.3127, 0.3290

Same Dimension

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



36.6011, 0.2138, 0.2896



60.3812, 0.2136, 0.2890



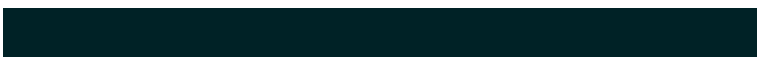
9.8605, 0.1668, 0.1205



12.4830, 0.2983, 0.3261



23.1229, 0.2139, 0.2901



1.2605, 0.2162, 0.2984

Inverse Universe

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



16.0964, 0.3547, 0.1728



26.6267, 0.3552, 0.1731



27.7312, 0.5075, 0.4351



11.3791, 0.3156, 0.3089



10.1373, 0.3542, 0.1725



0.5298, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 36.5998, 0.2138, 0.2896 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 36.5998, 0.2138, 0.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

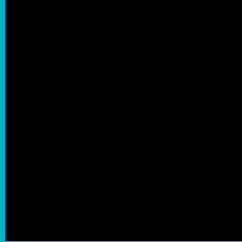
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5998, 0.2138, 0.2896

Background



This preview shows how black text looks on a background with the Yxy color 36.5998, 0.2138, 0.2896.



This preview shows how white text looks on a background with the Yxy color 36.5998, 0.2138, 0.2896.

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

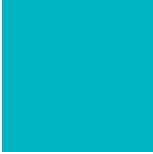
36.5998, 0.2138, 0.2896

Protanopia

35.9711, 0.2832, 0.2855

Deuteranopia

36.1226, 0.2680, 0.2622



Tritanopia

36.5826, 0.2180, 0.3047

Trichromacy



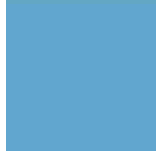
Original Color

36.5998, 0.2138, 0.2896



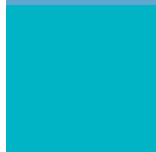
Protanomaly

34.2756, 0.2400, 0.2844



Deuteranomaly

34.3188, 0.2326, 0.2676



Tritanomaly

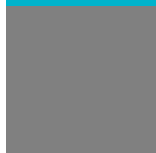
36.7197, 0.2167, 0.3001

Monochromacy



Original Color

36.5998, 0.2138, 0.2896



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.0616, 0.2483, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5998, 0.2138, 0.2896 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, 179, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 204)  
}
```

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, 179, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 204) }
```

Border

The CSS property to change the border of an element to Yxy 36.5998, 0.2138, 0.2896 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, 179, 204) }
```

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

```
.border{ border-color:rgb(0, 179, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 179, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5998, 0.2138, 0.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 204) }
```

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

```
.background{ background-color: rgb(0, 179,  
204) }
```

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