

Converting Colors

$Yxy(36.6942, 0.2175, 0.2923)$

Have a look what the booklet for
Yxy(36.6942, 0.2175, 0.2923)
contains.

Yxy(36.7958, 0.2176, 0.2928)	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(36.7958, 0.2176, 0.2928)

Conversions

Conversions Part 1

Format	Color
Hex	1FB3CA
RGB	31, 179, 202
RGB Percent	12%, 70%, 79%
CMY	0.8781, 0.2980, 0.2079
CMYK	0.85, 0.11, 0.00, 0.21
HSL	188°, 73%, 46%
HSV	188°, 85%, 79%
XYZ	27.3455, 36.7958, 61.5274
YIQ	137.3700, -95.5910, -24.2230

Conversions

Conversions Part 2

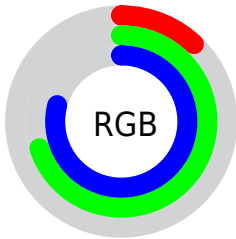
Format	Color
R _Y B	31, 110, 202
Decimal	2077642
CIE Lab	67.12, -28.21, -22.03
CIE LCh	67, 35.795, 217.988
Yxy	36.7958, 0.2176, 0.2928
Android (android.graphics.Color)	4280267722 (0xFF1FB3CA)
YUV	137.3700, 31.8626, -93.2865
Hunter-Lab	60.6595, -25.6858, -17.6766

Details

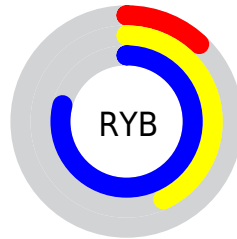
The Yxy color **36.7958, 0.2176, 0.2928** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle washed azure. A complement of this color would be **15.2974, 0.5877, 0.3468**, and the grayscale version is **25.0765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9517, 0.2362, 0.3049**, and **17.0598, 0.2117, 0.2820** is the 20% darker color. If you saturate the color by 10%, you get **35.4969, 0.2141, 0.2881**, and if you desaturate by 10%, it is **38.3151, 0.2229, 0.2975**.

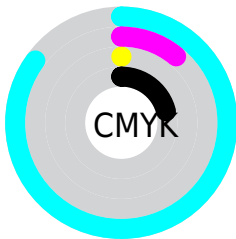
Distribution



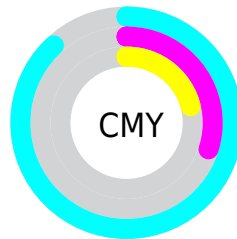
- Red (12%)
- Green (70%)
- Blue (79%)



- Red (12%)
- Yellow (43%)
- Blue (79%)



- Cyan (85%)
- Magenta (11%)
- Yellow (0%)
- Black (21%)




- Cyan (88%)
- Magenta (30%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7958, 0.2176, 0.2928 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 36.7958, 0.2176, 0.2928 by changing the saturation by 10% instead.


 36.7958, 0.2176,
0.2928


 36.7958, 0.2176,
0.2928


332.4256, 0.2650,
0.3130

 25.0494, 0.2060,
0.2871


 70.2586, 0.2347,
0.3006


 16.1139, 0.1913,
0.2795


 92.7438, 0.2412,
0.3034

 9.6048, 0.1723,
0.2689


 119.5775, 0.2467,
0.3057

 5.1377, 0.1468,
0.2530

 151.1439, 0.2514,
0.3076

 2.3283, 0.1119,
0.2279

 187.8276, 0.2555,
0.3093

 0.7886, 0.0149,
0.1934

230.0128, 0.2590,

 0.0000, 0.0000,

0.3107

0.0000

278.0840, 0.2622,
0.3119

■ 36.7958, 0.2176,
0.2928

■ 36.7958, 0.2176,
0.2928

■ 35.4969, 0.2141,
0.2881

■ 38.3151, 0.2229,
0.2975

■ 34.8548, 0.2127,
0.2856

■ 40.0828, 0.2302,
0.3023

■ 42.1264, 0.2393,
0.3070

■ 44.4688, 0.2502,
0.3115

■ 47.1301, 0.2625,
0.3159

■ 50.1288, 0.2761,
0.3200

■ 53.4817, 0.2905,
0.3239

■ 57.2045, 0.3056,
0.3275

■ 61.3121, 0.3210,
0.3307

Harmonies

Analogous

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



36.7958, 0.2397, 0.3446



36.7958, 0.2176, 0.2928



36.7958, 0.2184, 0.2576

Triad

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



36.7958, 0.2176, 0.2928



36.7958, 0.3384, 0.2729



36.7958, 0.3836, 0.4209

Complementary

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



36.7958, 0.2176, 0.2928



15.2974, 0.5877, 0.3468

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.



36.7958, 0.4153, 0.3913



36.7958, 0.2176, 0.2928



36.7958, 0.3892, 0.3086

Square

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



36.7958, 0.2176, 0.2928



36.7958, 0.2840, 0.2498



36.7958, 0.4182, 0.3505



36.7958, 0.3344, 0.4256

Rectangle

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



36.7958, 0.2176, 0.2928



36.7958, 0.2314, 0.2460



36.7958, 0.4182, 0.3505



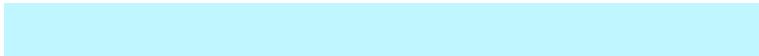
36.7958, 0.3968, 0.4131

Sweetspot

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



36.7971, 0.2176, 0.2928



84.5008, 0.2750, 0.3197



42.7910, 0.2952, 0.5653



17.6884, 0.2701, 0.3183



0.0000, 0.0000, 0.0000



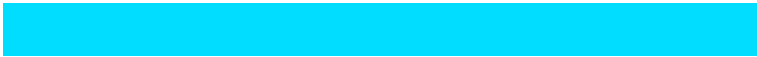
21.4041, 0.3127, 0.3290

Same Dimension

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



36.7971, 0.2176, 0.2928



58.7803, 0.2125, 0.2850



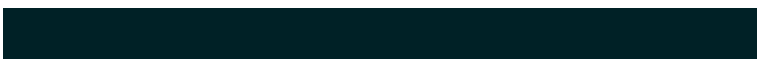
12.5157, 0.1785, 0.1469



12.4597, 0.2983, 0.3258



22.5279, 0.2129, 0.2862



1.2352, 0.2154, 0.2954

Inverse Universe

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



16.7930, 0.3511, 0.1788



26.4651, 0.3589, 0.1751



31.2110, 0.4797, 0.4419



11.3768, 0.3158, 0.3092



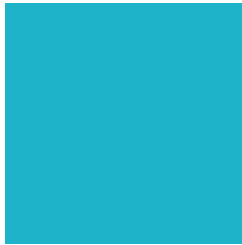
10.0772, 0.3577, 0.1744



0.5272, 0.3495, 0.1699

Previews

White Background



This preview shows how the Yxy color 36.7958, 0.2176, 0.2928 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 36.7958, 0.2176, 0.2928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

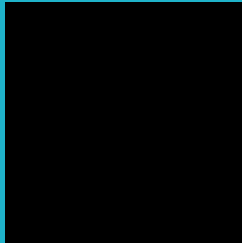
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7958, 0.2176, 0.2928

Background



This preview shows how black text looks on a background with the Yxy color 36.7958, 0.2176, 0.2928.



This preview shows how white text looks on a background with the Yxy color 36.7958, 0.2176, 0.2928.

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

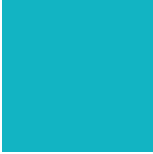
36.7958, 0.2176, 0.2928

Protanopia

36.3755, 0.2849, 0.2883

Deuteranopia

36.2211, 0.2711, 0.2650



Tritanopia

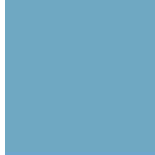
36.7112, 0.2193, 0.3048

Trichromacy



Original Color

36.7958, 0.2176, 0.2928



Protanomaly

35.2798, 0.2487, 0.2896



Deuteranomaly

34.9952, 0.2411, 0.2714



Tritanomaly

36.9019, 0.2186, 0.3003

Monochromacy



Original Color

36.7958, 0.2176, 0.2928



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.6264, 0.2574, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7958, 0.2176, 0.2928 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(31, 179, 202)` looks like.

```
.text, #text, p{  
    color:rgb(31, 179, 202)  
}
```

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(31, 179, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 179, 202) }
```

Border

The CSS property to change the border of an element to Yxy 36.7958, 0.2176, 0.2928 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(31, 179, 202) }
```

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

```
.border{ border-color:rgb(31, 179, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 179, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 179, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 179, 202);  
box-shadow:4px 4px 4px 4px rgb(31, 179,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7958, 0.2176, 0.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 179, 202) }
```

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

```
.background{ background-color: rgb(31, 179,  
202) }
```

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