

Converting Colors

$Yxy(36.6216, 0.2187, 0.3072)$

Have a look what the booklet for
Yxy(36.6216, 0.2187, 0.3072)
contains.

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Color

Yxy(36.5376, 0.2184, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	00B4C2
RGB	0, 180, 194
RGB Percent	0%, 71%, 76%
CMY	0.9997, 0.2941, 0.2391
CMYK	1.00, 0.07, 0.00, 0.24
HSL	184°, 100%, 38%
HSV	184°, 100%, 76%
XYZ	26.0608, 36.5376, 56.7275
YIQ	127.7760, -111.7740, -33.8060

Conversions

Conversions Part 2

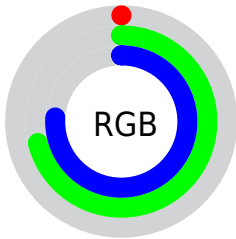
Format	Color
RYB	0, 93, 194
Decimal	46274
CIELab	66.93, -32.62, -17.95
CIELCh	67, 37.236, 208.822
Yxy	36.5376, 0.2184, 0.3062
Android (android.graphics.Color)	4278236354 (0xFF00B4C2)
YUV	127.7760, 32.6484, -112.0596
Hunter-Lab	60.4463, -28.8228, -13.3299

Details

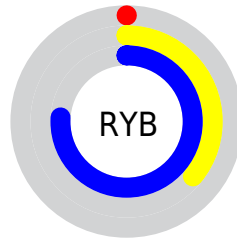
The Yxy color **36.5376, 0.2184, 0.3062** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **11.7887, 0.6349, 0.3340**, and the grayscale version is **21.4288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6597, 0.2355, 0.3118**, and **17.0722, 0.2168, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **36.5359, 0.2184, 0.3062**, and if you desaturate by 10%, it is **37.2509, 0.2206, 0.3086**.

Distribution



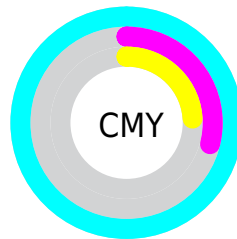
- Red (0%)
- Green (71%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (24%)




- Cyan (100%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5376, 0.2184, 0.3062 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 36.5376, 0.2184, 0.3062 by changing the saturation by 10% instead.


 36.5376, 0.2184,
0.3062


 36.5376, 0.2184,
0.3062


331.3042, 0.2656,
0.3196


 24.8497, 0.2068,
0.3022


 69.8610, 0.2355,
0.3116


 15.9651, 0.1920,
0.2967


 92.2653, 0.2419,
0.3134


 9.4995, 0.1727,
0.2887

 119.0106, 0.2474,
0.3150

 5.0684, 0.1467,
0.2762

 150.4811, 0.2521,
0.3162

 2.2874, 0.1108,
0.2553

 187.0613, 0.2561,
0.3173

 0.7670, 0.0000,
0.2288

229.1357, 0.2597,

 0.0000, 0.0000,

0.3182

0.0000

277.0885, 0.2628,
0.3190

■ 36.5376, 0.2184,
0.3062

■ 36.5376, 0.2184,
0.3062

■ 36.5359, 0.2184,
0.3062

■ 37.2509, 0.2206,
0.3086

■ 38.1115, 0.2241,
0.3110

■ 39.1713, 0.2296,
0.3135

■ 40.4561, 0.2369,
0.3159

■ 41.9882, 0.2461,
0.3184

■ 43.7867, 0.2570,
0.3207

■ 45.8692, 0.2694,
0.3230

■ 48.2514, 0.2830,
0.3252

■ 50.9482, 0.2976,
0.3272

Harmonies

Analogous

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



36.5376, 0.2481, 0.3630



36.5376, 0.2184, 0.3062



36.5376, 0.2120, 0.2635

Triad

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



36.5376, 0.2184, 0.3062



36.5376, 0.3215, 0.2618



36.5376, 0.3991, 0.4172

Complementary

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



36.5376, 0.2184, 0.3062



11.7887, 0.6349, 0.3340

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.



36.5376, 0.4241, 0.3811



36.5376, 0.2184, 0.3062



36.5376, 0.3779, 0.2953

Square

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



36.5376, 0.2184, 0.3062



36.5376, 0.2674, 0.2428



36.5376, 0.4168, 0.3375



36.5376, 0.3518, 0.4320

Rectangle

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



36.5376, 0.2184, 0.3062



36.5376, 0.2208, 0.2470



36.5376, 0.4168, 0.3375



36.5376, 0.4105, 0.4067

Sweetspot

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



36.5389, 0.2184, 0.3062



82.8772, 0.2687, 0.3229



38.6211, 0.2989, 0.5960



17.7824, 0.2632, 0.3219



0.0000, 0.0000, 0.0000



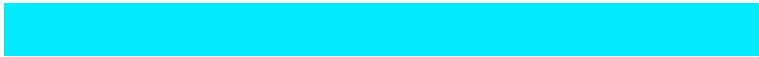
21.4041, 0.3127, 0.3290

Same Dimension

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



36.5389, 0.2184, 0.3062



66.0179, 0.2183, 0.3058



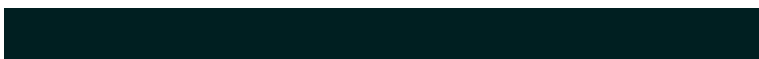
10.2562, 0.1711, 0.1358



11.2998, 0.2984, 0.3273



24.0678, 0.2185, 0.3065



1.0778, 0.2200, 0.3119

Inverse Universe

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



14.7688, 0.3400, 0.1647



26.7317, 0.3403, 0.1648



22.6196, 0.5216, 0.4240



10.2346, 0.3148, 0.3079



9.7119, 0.3397, 0.1645



0.4234, 0.3351, 0.1620

Previews

White Background



This preview shows how the Yxy color 36.5376, 0.2184, 0.3062 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 36.5376, 0.2184, 0.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

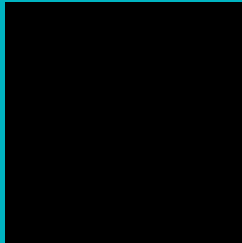
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

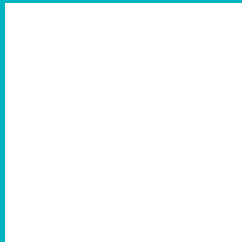
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.5376, 0.2184, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 36.5376, 0.2184, 0.3062.



This preview shows how white text looks on a background with the Yxy color 36.5376, 0.2184, 0.3062.

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

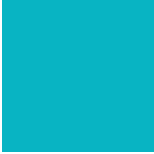
36.5376, 0.2184, 0.3062

Protanopia

36.1969, 0.2938, 0.3006

Deuteranopia

35.9482, 0.2794, 0.2727



Tritanopia

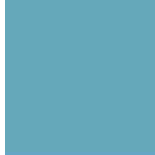
36.6343, 0.2185, 0.3047

Trichromacy



Original Color

36.5376, 0.2184, 0.3062



Protanomaly

34.3171, 0.2473, 0.3007



Deuteranomaly

34.0704, 0.2403, 0.2815



Tritanomaly

36.6149, 0.2183, 0.3047

Monochromacy



Original Color

36.5376, 0.2184, 0.3062



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.8838, 0.2504, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5376, 0.2184, 0.3062 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, 180, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 194)  
}
```

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, 180, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 194) }
```

Border

The CSS property to change the border of an element to Yxy 36.5376, 0.2184, 0.3062 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, 180, 194) }
```

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

```
.border{ border-color:rgb(0, 180, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5376, 0.2184, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 194) }
```

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

```
.background{ background-color: rgb(0, 180,  
194) }
```

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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