

Converting Colors

$Y_{xy}(36.7037, 0.2353, 0.3670)$

Have a look what the booklet for
Yxy(36.7037, 0.2353, 0.3670)
contains.

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Color

Yxy(36.8542, 0.2357, 0.3685)

Conversions

Conversions Part 1

Format	Color
Hex	00B8A1
RGB	0, 184, 161
RGB Percent	0%, 72%, 63%
CMY	0.9999, 0.2784, 0.3687
CMYK	1.00, 0.00, 0.13, 0.28
HSL	172°, 100%, 36%
HSV	172°, 100%, 72%
XYZ	23.5727, 36.8542, 39.5845
YIQ	126.3620, -102.2810, -46.1610

Conversions

Conversions Part 2

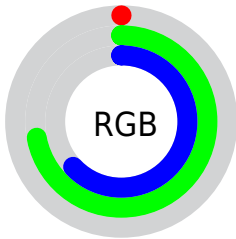
Format	Color
RYB	0, 98, 184
Decimal	47265
CIELab	67.17, -44.34, 0.65
CIELCh	67, 44.343, 179.160
Yxy	36.8542, 0.2357, 0.3685
Android (android.graphics.Color)	4278237345 (0xFF00B8A1)
YUV	126.3620, 17.0765, -110.8195
Hunter-Lab	60.7077, -36.9271, 3.8352

Details

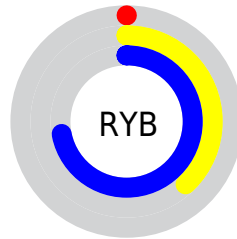
The Yxy color **36.8542, 0.2357, 0.3685** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **10.2532, 0.6242, 0.3212**, and the grayscale version is **20.9627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4651, 0.2503, 0.3607**, and **17.0911, 0.2380, 0.3767** is the 20% darker color. If you saturate the color by 10%, you get **36.8554, 0.2357, 0.3685**, and if you desaturate by 10%, it is **37.0701, 0.2361, 0.3642**.

Distribution



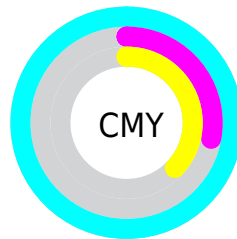
- Red (0%)
- Green (72%)
- Blue (63%)



- Red (0%)
- Yellow (38%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8542, 0.2357, 0.3685 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 36.8542, 0.2357, 0.3685 by changing the saturation by 10% instead.


 36.8542, 0.2357,
0.3685


 36.8542, 0.2357,
0.3685


332.6789, 0.2753,
0.3481

 25.0946, 0.2255,
0.3738


 70.3485, 0.2503,
0.3609

 16.1476, 0.2123,
0.3806


 92.8520, 0.2558,
0.3582

 9.6286, 0.1944,
0.3899


 119.7056, 0.2603,
0.3558

 5.1534, 0.1693,
0.4031

 151.2937, 0.2642,
0.3538

 2.3376, 0.1311,
0.4234

 188.0007, 0.2676,
0.3521

 0.7935, 0.0000,
0.4922

230.2109, 0.2705,

 0.0000, 0.0000,

0.3506

0.0000

278.3089, 0.2731,
0.3493

■ 36.8542, 0.2357,
0.3685

■ 36.8542, 0.2357,
0.3685

■ 36.8554, 0.2357,
0.3685

■ 37.0701, 0.2361,
0.3642

■ 37.4109, 0.2380,
0.3599

■ 37.9243, 0.2418,
0.3555

■ 38.6331, 0.2474,
0.3512

■ 39.5567, 0.2549,
0.3470

■ 40.7119, 0.2640,
0.3429

■ 42.1140, 0.2746,
0.3391

■ 43.7771, 0.2865,
0.3354

■ 45.7139, 0.2993,
0.3321

Harmonies

Analogous

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



36.8542, 0.2916, 0.4297



36.8542, 0.2357, 0.3685



36.8542, 0.2024, 0.3000

Triad

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



36.8542, 0.2357, 0.3685



36.8542, 0.2596, 0.2292



36.8542, 0.4440, 0.3884

Complementary

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



36.8542, 0.2357, 0.3685



10.2532, 0.6242, 0.3212

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.



36.8542, 0.4368, 0.3378



36.8542, 0.2357, 0.3685



36.8542, 0.3233, 0.2513

Square

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



36.8542, 0.2357, 0.3685



36.8542, 0.2154, 0.2279



36.8542, 0.3906, 0.2897



36.8542, 0.4129, 0.4320

Rectangle

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



36.8542, 0.2357, 0.3685



36.8542, 0.1950, 0.2643



36.8542, 0.3906, 0.2897



36.8542, 0.4462, 0.3718

Sweetspot

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



36.8556, 0.2357, 0.3685



76.1984, 0.2741, 0.3393



34.4836, 0.3036, 0.5971



16.1876, 0.2695, 0.3409



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.8556, 0.2357, 0.3685



66.7828, 0.2359, 0.3692



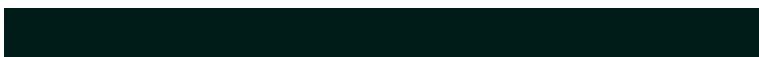
16.0771, 0.1901, 0.2043



10.1908, 0.3002, 0.3319



25.4064, 0.2356, 0.3680



0.9011, 0.2325, 0.3569

Inverse Universe

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



10.2532, 0.6242, 0.3212



18.5664, 0.6268, 0.3226



14.2624, 0.5788, 0.3786



9.0300, 0.3269, 0.3262



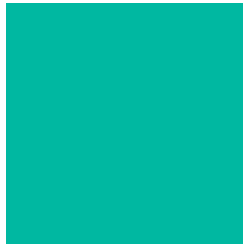
7.0717, 0.6221, 0.3201



0.2553, 0.5686, 0.2906

Previews

White Background



This preview shows how the Yxy color 36.8542, 0.2357, 0.3685 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 36.8542, 0.2357, 0.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

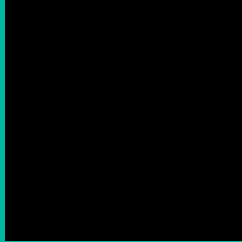
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

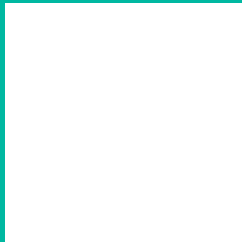
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8542, 0.2357, 0.3685

Background



This preview shows how black text looks on a background with the Yxy color 36.8542, 0.2357, 0.3685.

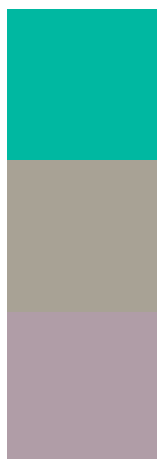


This preview shows how white text looks on a background with the Yxy color 36.8542, 0.2357, 0.3685.

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

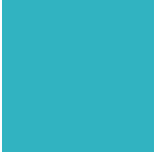
36.8542, 0.2357, 0.3685

Protanopia

36.3354, 0.3302, 0.3478

Deuteranopia

36.1341, 0.3221, 0.3151



Tritanopia

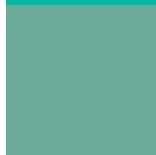
36.7882, 0.2249, 0.3050

Trichromacy



Original Color

36.8542, 0.2357, 0.3685



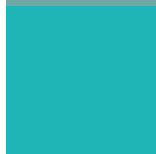
Protanomaly

34.1752, 0.2736, 0.3570



Deuteranomaly

33.7988, 0.2682, 0.3321



Tritanomaly

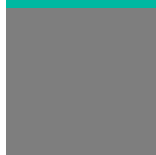
36.7165, 0.2275, 0.3271

Monochromacy



Original Color

36.8542, 0.2357, 0.3685



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.4370, 0.2591, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8542, 0.2357, 0.3685 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, 184, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 161)  
}
```

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, 184, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 161) }
```

Border

The CSS property to change the border of an element to Yxy 36.8542, 0.2357, 0.3685 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, 184, 161) }
```

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

```
.border{ border-color:rgb(0, 184, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8542, 0.2357, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 161) }
```

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

```
.background{ background-color: rgb(0, 184,  
161) }
```

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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