

Converting Colors

$Y_{xy}(56.2261, 0.2326, 0.3758)$

Have a look what the booklet for
Yxy(56.2261, 0.2326, 0.3758)
contains.

Yxy(57.0729, 0.2380, 0.3766)	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(57.0729, 0.2380, 0.3766)

Conversions

Conversions Part 1

Format	Color
Hex	01E0BF
RGB	1, 224, 191
RGB Percent	0%, 88%, 75%
CMY	0.9962, 0.1216, 0.2510
CMYK	1.00, 0.00, 0.15, 0.12
HSL	171°, 99%, 44%
HSV	171°, 100%, 88%
XYZ	36.0684, 57.0729, 58.4065
YIQ	153.5610, -122.3150, -57.5390

Conversions

Conversions Part 2

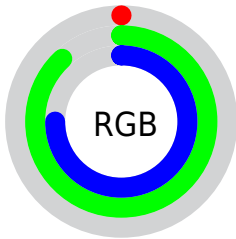
Format	Color
RYB	1, 121, 224
Decimal	123071
CIELab	80.22, -52.75, 3.39
CIELCh	80, 52.861, 176.319
Yxy	57.0729, 0.2380, 0.3766
Android (android.graphics.Color)	4278313151 (0xFF01E0BF)
YUV	153.5610, 18.4574, -133.7960
Hunter-Lab	75.5466, -46.9849, 7.0444

Details

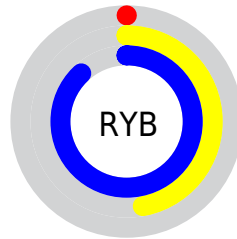
The Yxy color **57.0729, 0.2380, 0.3766** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.9822, 0.6210, 0.3198**, and the grayscale version is **32.0632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4866, 0.2442, 0.3382**, and **29.8402, 0.2406, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **57.0626, 0.2380, 0.3768**, and if you desaturate by 10%, it is **57.4029, 0.2380, 0.3714**.

Distribution



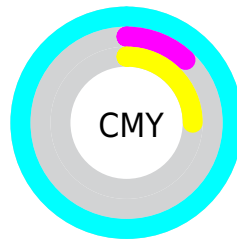
- Red (0%)
- Green (88%)
- Blue (75%)



- Red (0%)
- Yellow (47%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.0729, 0.2380, 0.3766 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 57.0729, 0.2380, 0.3766 by changing the saturation by 10% instead.


 57.0729, 0.2380,
0.3766


 57.0729, 0.2380,
0.3766


413.7224, 0.2739,
0.3534


 41.0638, 0.2295,
0.3822

 100.5716, 0.2507,
0.3683

 28.3689, 0.2189,
0.3893


 128.8299, 0.2556,
0.3651


 18.6039, 0.2052,
0.3985


 161.9400, 0.2597,
0.3625

 11.3844, 0.1870,
0.4109

 200.2864, 0.2633,
0.3601

 6.3260, 0.1619,
0.4286

 244.2535, 0.2665,
0.3581

 3.0443, 0.1256,
0.4552

294.2256, 0.2693,

 1.1549, 0.0000,

0.3564

0.5372

350.5871, 0.2717,
0.3548

■ 0.0244, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.0729, 0.2380,
0.3766

■ 57.0729, 0.2380,
0.3766

■ 57.0626, 0.2380,
0.3768

■ 57.4029, 0.2380,
0.3714

■ 57.9426, 0.2396,
0.3661

■ 58.7562, 0.2431,
0.3609

■ 59.8809, 0.2486,
0.3556

■ 61.3480, 0.2559,
0.3505

■ 63.1850, 0.2650,
0.3456

■ 65.4167, 0.2755,
0.3409

■ 68.0655, 0.2873,
0.3366

■ 71.1523, 0.3000,
0.3325

Harmonies

Analogous

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



57.0729, 0.2969, 0.4373



57.0729, 0.2380, 0.3766



57.0729, 0.2014, 0.3050

Triad

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



57.0729, 0.2380, 0.3766



57.0729, 0.2528, 0.2255



57.0729, 0.4489, 0.3848

Complementary

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



57.0729, 0.2380, 0.3766



15.9822, 0.6210, 0.3198

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.



57.0729, 0.4377, 0.3329



57.0729, 0.2380, 0.3766



57.0729, 0.3168, 0.2463

Square

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



57.0729, 0.2380, 0.3766



57.0729, 0.2098, 0.2262



57.0729, 0.3869, 0.2842



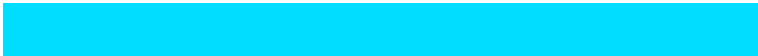
57.0729, 0.4199, 0.4311

Rectangle

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



57.0729, 0.2380, 0.3766



57.0729, 0.1923, 0.2667



57.0729, 0.3869, 0.2842



57.0729, 0.4500, 0.3676

Sweetspot

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



57.0751, 0.2380, 0.3766



87.5568, 0.2748, 0.3412



53.6564, 0.3039, 0.5966



18.4576, 0.2702, 0.3432



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.



57.0751, 0.2380, 0.3766



76.5445, 0.2381, 0.3772



25.9244, 0.1915, 0.2092



15.5357, 0.3001, 0.3325



33.2307, 0.2378, 0.3760



2.3130, 0.2356, 0.3680

Inverse Universe

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



15.9822, 0.6210, 0.3198



21.3981, 0.6232, 0.3207



21.4435, 0.5845, 0.3737



13.7334, 0.3269, 0.3256



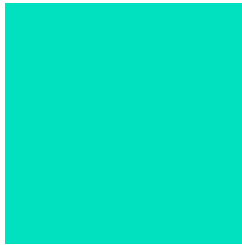
9.2990, 0.6192, 0.3185



0.6551, 0.5818, 0.2978

Previews

White Background



This preview shows how the Yxy color 57.0729, 0.2380, 0.3766 looks on a white background.

Color Contrast Check

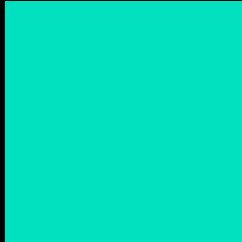
Large Text (above 18pt) WCAG AA × Fail

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 57.0729, 0.2380, 0.3766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

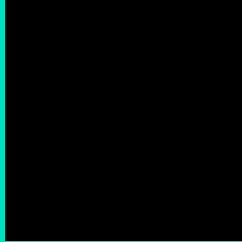
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

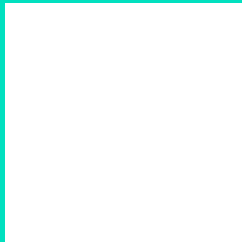
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.0729, 0.2380, 0.3766

Background



This preview shows how black text looks on a background with the Yxy color 57.0729, 0.2380, 0.3766.



This preview shows how white text looks on a background with the Yxy color 57.0729, 0.2380, 0.3766.

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

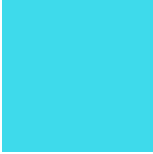
57.0794, 0.2380, 0.3766

Protanopia

56.1889, 0.3359, 0.3544

Deuteranopia

55.9378, 0.3279, 0.3209



Tritanopia

57.1651, 0.2253, 0.3063

Trichromacy



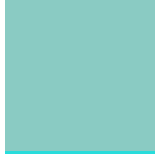
Original Color

57.0794, 0.2380, 0.3766



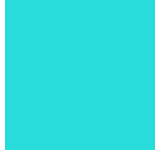
Protanomaly

52.7871, 0.2767, 0.3651



Deuteranomaly

52.0553, 0.2721, 0.3397



Tritanomaly

56.7520, 0.2283, 0.3301

Monochromacy



Original Color

57.0794, 0.2380, 0.3766



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.6269, 0.2602, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0729, 0.2380, 0.3766 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(1, 224, 191)` looks like.

```
.text, #text, p{  
    color:rgb(1, 224, 191)  
}
```

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(1, 224, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 224, 191) }
```

Border

The CSS property to change the border of an element to Yxy 57.0729, 0.2380, 0.3766 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(1, 224, 191) }
```

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

```
.border{ border-color:rgb(1, 224, 191) }
```

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

Here you see how a box with a 4 pixel rgb(1, 224, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 224, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 224, 191);  
box-shadow:4px 4px 4px 4px rgb(1, 224,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0729, 0.2380, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 224, 191) }
```

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

```
.background{ background-color: rgb(1, 224,  
191) }
```

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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