

Converting Colors

$Yxy(58.6857, 0.2181, 0.3780)$

Have a look what the booklet for
Yxy(58.6857, 0.2181, 0.3780)
contains.

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Color

Yxy(61.2290, 0.2376, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	01E7C6
RGB	1, 231, 198
RGB Percent	0%, 91%, 78%
CMY	0.9968, 0.0941, 0.2236
CMYK	1.00, 0.00, 0.14, 0.09
HSL	171°, 99%, 45%
HSV	171°, 100%, 91%
XYZ	38.7740, 61.2290, 63.1873
YIQ	158.4680, -126.4870, -59.0230

Conversions

Conversions Part 2

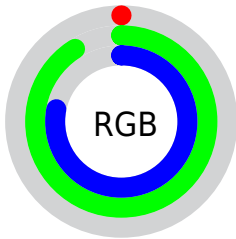
Format	Color
RYB	1, 125, 231
Decimal	124870
CIELab	82.50, -53.75, 3.01
CIELCh	83, 53.834, 176.796
Yxy	61.2290, 0.2376, 0.3752
Android (android.graphics.Color)	4278314950 (0xFF01E7C6)
YUV	158.4680, 19.4893, -138.0994
Hunter-Lab	78.2490, -48.4852, 6.8967

Details

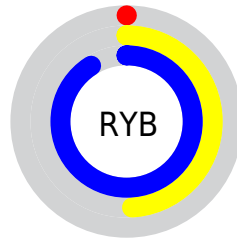
The Yxy color **61.2290, 0.2376, 0.3752** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **17.1205, 0.6224, 0.3205**, and the grayscale version is **34.3393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **32.2857, 0.2401, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **61.2207, 0.2376, 0.3754**, and if you desaturate by 10%, it is **61.5738, 0.2376, 0.3702**.

Distribution



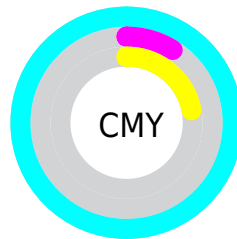
- Red (0%)
- Green (91%)
- Blue (78%)



- Red (0%)
- Yellow (49%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.2290, 0.2376, 0.3752 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 61.2290, 0.2376, 0.3752 by changing the saturation by 10% instead.


 61.2290, 0.2376,
0.3752

 61.2290, 0.2376,
0.3752


429.1131, 0.2732,
0.3530

 44.4100, 0.2293,
0.3805

 106.6104, 0.2501,
0.3673

 30.9930, 0.2190,
0.3871


 135.9417, 0.2549,
0.3643


 20.5935, 0.2058,
0.3956


 170.2124, 0.2591,
0.3617

 12.8272, 0.1884,
0.4070

 209.8071, 0.2627,
0.3595

 7.3097, 0.1648,
0.4228

 255.1102, 0.2658,
0.3576

 3.6565, 0.1311,
0.4462

306.5059, 0.2686,

 1.4833, 0.0012,

0.3559

0.5255

364.3788, 0.2710,
0.3543

■ 0.2770, 0.0000,
0.7522

■ 0.0000, 0.0000,
0.0000

■ 61.2290, 0.2376,
0.3752

■ 61.2290, 0.2376,
0.3752

■ 61.2207, 0.2376,
0.3754

■ 61.5738, 0.2376,
0.3702

■ 62.1432, 0.2392,
0.3651

■ 63.0062, 0.2427,
0.3600

■ 64.2029, 0.2482,
0.3549

65.7672, 0.2555,
0.3499

67.7288, 0.2646,
0.3452

70.1145, 0.2752,
0.3406

72.9484, 0.2870,
0.3364

76.2532, 0.2998,
0.3325

Harmonies

Analogous

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



61.2290, 0.2960, 0.4360



61.2290, 0.2376, 0.3752



61.2290, 0.2016, 0.3041

Triad

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



61.2290, 0.2376, 0.3752



61.2290, 0.2539, 0.2261



61.2290, 0.4481, 0.3854

Complementary

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



61.2290, 0.2376, 0.3752



17.1205, 0.6224, 0.3205

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.



61.2290, 0.4375, 0.3337



61.2290, 0.2376, 0.3752



61.2290, 0.3179, 0.2471

Square

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



61.2290, 0.2376, 0.3752



61.2290, 0.2107, 0.2265



61.2290, 0.3876, 0.2852



61.2290, 0.4187, 0.4313

Rectangle

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



61.2290, 0.2376, 0.3752



61.2290, 0.1928, 0.2663



61.2290, 0.3876, 0.2852



61.2290, 0.4494, 0.3683

Sweetspot

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



61.2313, 0.2376, 0.3752



87.5775, 0.2746, 0.3408



57.5149, 0.3038, 0.5967



18.4626, 0.2700, 0.3427



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.



61.2313, 0.2376, 0.3752



76.6041, 0.2377, 0.3756



27.7255, 0.1914, 0.2089



16.2990, 0.3001, 0.3324



34.3366, 0.2374, 0.3746



2.5471, 0.2353, 0.3672

Inverse Universe

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



17.1205, 0.6224, 0.3205



21.3909, 0.6240, 0.3211



22.9312, 0.5850, 0.3734



14.4015, 0.3270, 0.3257



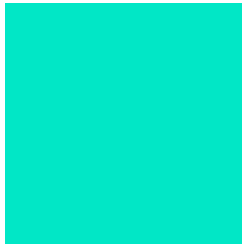
9.5971, 0.6203, 0.3191



0.7198, 0.5855, 0.2999

Previews

White Background



This preview shows how the Yxy color 61.2290, 0.2376, 0.3752 looks on a white background.

Color Contrast Check

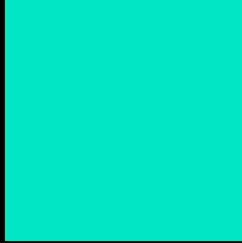
Large Text (above 18pt) WCAG AA × Fail

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 61.2290, 0.2376, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

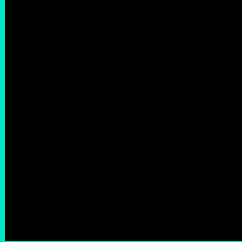
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.2290, 0.2376, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 61.2290, 0.2376, 0.3752.



This preview shows how white text looks on a background with the Yxy color 61.2290, 0.2376, 0.3752.

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

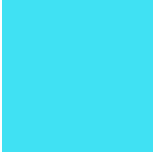
61.2355, 0.2376, 0.3752

Protanopia

60.1278, 0.3345, 0.3525

Deuteranopia

59.8699, 0.3267, 0.3200



Tritanopia

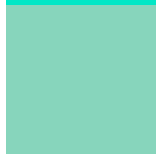
61.4115, 0.2251, 0.3057

Trichromacy



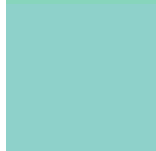
Original Color

61.2355, 0.2376, 0.3752



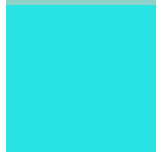
Protanomaly

56.3702, 0.2758, 0.3627



Deuteranomaly

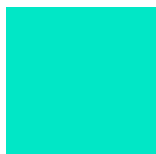
55.6160, 0.2712, 0.3381



Tritanomaly

60.9556, 0.2279, 0.3288

Monochromacy



Original Color

61.2355, 0.2376, 0.3752



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.4818, 0.2597, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.2290, 0.2376, 0.3752 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, 231, 198)` looks like.

```
.text, #text, p{  
    color:rgb(1, 231, 198)  
}
```

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, 231, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 231, 198) }
```

Border

The CSS property to change the border of an element to Yxy 61.2290, 0.2376, 0.3752 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, 231, 198) }
```

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

```
.border{ border-color:rgb(1, 231, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 231, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 231, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 231, 198);  
box-shadow:4px 4px 4px 4px rgb(1, 231,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 61.2290, 0.2376, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 231, 198) }
```

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

```
.background{ background-color: rgb(1, 231,  
198) }
```

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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