

Converting Colors

$Y_{xy}(58.9369, 0.2366, 0.3716)$

Have a look what the booklet for
Yxy(58.9369, 0.2366, 0.3716)
contains.

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Color

Yxy(58.9758, 0.2366, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	01E3C5
RGB	1, 227, 197
RGB Percent	0%, 89%, 77%
CMY	0.9948, 0.1098, 0.2275
CMYK	0.99, 0.00, 0.13, 0.11
HSL	172°, 99%, 45%
HSV	172°, 99%, 89%
XYZ	37.5604, 58.9758, 62.2143
YIQ	156.0060, -125.0660, -57.2420

Conversions

Conversions Part 2

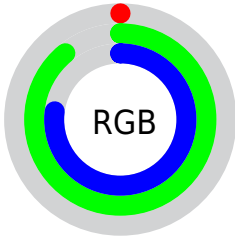
Format	Color
RYB	1, 122, 227
Decimal	123845
CIELab	81.28, -52.39, 1.76
CIELCh	81, 52.416, 178.076
Yxy	58.9758, 0.2366, 0.3715
Android (android.graphics.Color)	4278313925 (0xFF01E3C5)
YUV	156.0060, 20.2100, -135.9403
Hunter-Lab	76.7957, -47.0891, 5.7245

Details

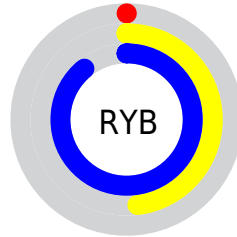
The Yxy color **58.9758, 0.2366, 0.3715** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **16.4609, 0.6237, 0.3214**, and the grayscale version is **33.2445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9908, 0.2418, 0.3299**, and **30.7326, 0.2388, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **58.9613, 0.2366, 0.3718**, and if you desaturate by 10%, it is **59.3039, 0.2368, 0.3669**.

Distribution



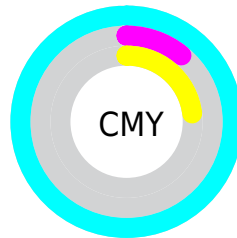
- Red (0%)
- Green (89%)
- Blue (77%)



- Red (0%)
- Yellow (48%)
- Blue (89%)



- Cyan (99%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)




- Cyan (99%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.9758, 0.2366, 0.3715 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 58.9758, 0.2366, 0.3715 by changing the saturation by 10% instead.

 58.9758, 0.2366,
0.3715


 58.9758, 0.2366,
0.3715

420.8122, 0.2729,
0.3511


 42.5936, 0.2281,
0.3763


 103.3425, 0.2494,
0.3643


 29.5664, 0.2175,
0.3824


 132.0958, 0.2543,
0.3615


 19.5097, 0.2040,
0.3902


 165.7416, 0.2585,
0.3591

 12.0392, 0.1862,
0.4006

 204.6644, 0.2621,
0.3571

 6.7704, 0.1618,
0.4150

 249.2484, 0.2653,
0.3553

 3.3189, 0.1269,
0.4361

299.8781, 0.2681,

 1.3004, 0.0000,

0.3537

0.5073

356.9379, 0.2706,
0.3523

■ 0.1415, 0.0000,
0.8201

■ 0.0000, 0.0000,
0.0000

■ 58.9758, 0.2366,
0.3715

■ 58.9758, 0.2366,
0.3715

■ 58.9613, 0.2366,
0.3718

■ 59.3039, 0.2368,
0.3669

■ 59.8499, 0.2385,
0.3622

■ 60.6784, 0.2421,
0.3575

■ 61.8277, 0.2477,
0.3528

■ 63.3302, 0.2552,
0.3482

■ 65.2141, 0.2644,
0.3438

■ 67.5051, 0.2751,
0.3397

■ 70.2262, 0.2871,
0.3357

■ 73.3991, 0.3000,
0.3321

Harmonies

Analogous

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



58.9758, 0.2936, 0.4325



58.9758, 0.2366, 0.3715



58.9758, 0.2021, 0.3019

Triad

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



58.9758, 0.2366, 0.3715



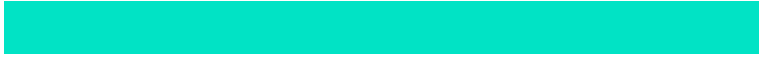
58.9758, 0.2571, 0.2278



58.9758, 0.4458, 0.3871

Complementary

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



58.9758, 0.2366, 0.3715



16.4609, 0.6237, 0.3214

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.



58.9758, 0.4371, 0.3360



58.9758, 0.2366, 0.3715



58.9758, 0.3208, 0.2494

Square

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



58.9758, 0.2366, 0.3715



58.9758, 0.2133, 0.2273



58.9758, 0.3892, 0.2876



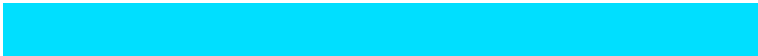
58.9758, 0.4155, 0.4317

Rectangle

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



58.9758, 0.2366, 0.3715



58.9758, 0.1941, 0.2652



58.9758, 0.3892, 0.2876



58.9758, 0.4476, 0.3702

Sweetspot

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



58.9781, 0.2366, 0.3715



87.6260, 0.2743, 0.3400



55.2400, 0.3032, 0.5971



18.4743, 0.2696, 0.3417



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.



58.9781, 0.2366, 0.3715



76.7445, 0.2367, 0.3721



25.5790, 0.1899, 0.2033



16.3017, 0.2999, 0.3321



34.3984, 0.2364, 0.3711



2.5511, 0.2345, 0.3643

Inverse Universe

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



16.4609, 0.6237, 0.3214



21.3751, 0.6259, 0.3222



22.6869, 0.5798, 0.3773



14.3991, 0.3272, 0.3259



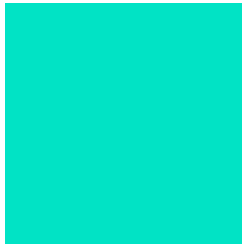
9.5891, 0.6224, 0.3202



0.7187, 0.5891, 0.3019

Previews

White Background



This preview shows how the Yxy color 58.9758, 0.2366, 0.3715 looks on a white background.

Color Contrast Check

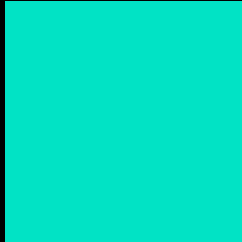
Large Text (above 18pt) WCAG AA × Fail

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 58.9758, 0.2366, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

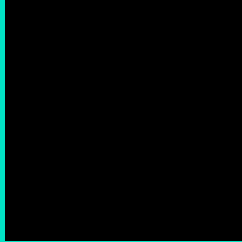
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

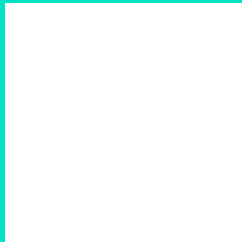
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.9758, 0.2366, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 58.9758, 0.2366, 0.3715.



This preview shows how white text looks on a background with the Yxy color 58.9758, 0.2366, 0.3715.

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

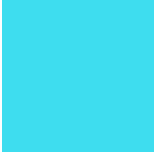
58.9758, 0.2366, 0.3715

Protanopia

57.6341, 0.3326, 0.3493

Deuteranopia

57.8486, 0.3245, 0.3176



Tritanopia

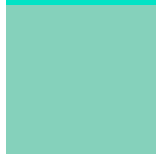
58.9690, 0.2248, 0.3053

Trichromacy



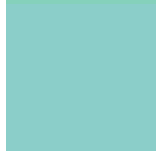
Original Color

58.9758, 0.2366, 0.3715



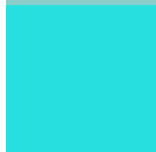
Protanomaly

54.1753, 0.2746, 0.3590



Deuteranomaly

53.8486, 0.2696, 0.3355



Tritanomaly

58.6083, 0.2275, 0.3274

Monochromacy



Original Color

58.9758, 0.2366, 0.3715



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

39.1055, 0.2597, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9758, 0.2366, 0.3715 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, 227, 197)` looks like.

```
.text, #text, p{  
    color:rgb(1, 227, 197)  
}
```

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, 227, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 227, 197) }
```

Border

The CSS property to change the border of an element to Yxy 58.9758, 0.2366, 0.3715 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, 227, 197) }
```

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

```
.border{ border-color:rgb(1, 227, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 227, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 227, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 227, 197);  
box-shadow:4px 4px 4px 4px rgb(1, 227,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9758, 0.2366, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 227, 197) }
```

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

```
.background{ background-color: rgb(1, 227,  
197) }
```

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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