

Converting Colors

$Yxy(58.6611, 0.2454, 0.4035)$

Have a look what the booklet for
Yxy(58.6611, 0.2454, 0.4035)
contains.

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Color

Yxy(58.6611, 0.2454, 0.4035)

Conversions

Conversions Part 1

Format	Color
Hex	00E4B1
RGB	0, 228, 177
RGB Percent	0%, 89%, 69%
CMY	1.0000, 0.1059, 0.3058
CMYK	1.00, 0.00, 0.22, 0.11
HSL	167°, 100%, 45%
HSV	167°, 100%, 89%
XYZ	35.6764, 58.6611, 51.0432
YIQ	154.0140, -119.5170, -64.1970

Conversions

Conversions Part 2

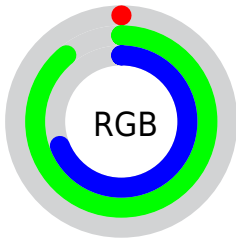
Format	Color
RYB	0, 128, 228
Decimal	58545
CIELab	81.10, -57.88, 12.06
CIELCh	81, 59.122, 168.233
Yxy	58.6611, 0.2454, 0.4035
Android (android.graphics.Color)	4278248625 (0xFF00E4B1)
YUV	154.0140, 11.3321, -135.0703
Hunter-Lab	76.5905, -50.8869, 14.1000

Details

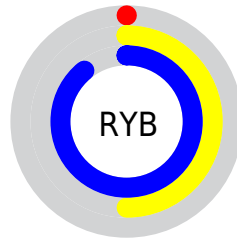
The Yxy color **58.6611, 0.2454, 0.4035** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.7342, 0.6039, 0.3101**, and the grayscale version is **32.3124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6544, 0.2500, 0.3552**, and **30.5811, 0.2500, 0.4201** is the 20% darker color. If you saturate the color by 10%, you get **58.6657, 0.2454, 0.4035**, and if you desaturate by 10%, it is **59.0527, 0.2447, 0.3953**.

Distribution



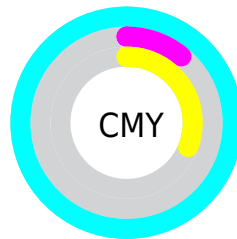
- Red (0%)
- Green (89%)
- Blue (69%)



- Red (0%)
- Yellow (50%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6611, 0.2454, 0.4035 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 58.6611, 0.2454, 0.4035 by changing the saturation by 10% instead.

 58.6611, 0.2454,
0.4035

 58.6611, 0.2454,
0.4035


419.6448, 0.2783,
0.3661


 42.3404, 0.2375,
0.4128


 102.8849, 0.2572,
0.3899


 29.3679, 0.2274,
0.4248


 131.5569, 0.2616,
0.3848

 19.3593, 0.2144,
0.4407


 165.1146, 0.2654,
0.3805

 11.9302, 0.1968,
0.4627

 203.9426, 0.2687,
0.3768

 6.6962, 0.1720,
0.4951

 248.4252, 0.2716,
0.3736

 3.2728, 0.1350,
0.5468

298.9469, 0.2741,

 1.2758, 0.0000,

0.3708

0.7202

355.8920, 0.2763,
0.3683

■ 0.1223, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6611, 0.2454,
0.4035

■ 58.6611, 0.2454,
0.4035

■ 58.6657, 0.2454,
0.4035

■ 59.0527, 0.2447,
0.3953

■ 59.6594, 0.2455,
0.3870

■ 60.5539, 0.2483,
0.3787

■ 61.7754, 0.2531,
0.3705

■ 63.3570, 0.2598,
0.3625

■ 65.3276, 0.2681,
0.3548

■ 67.7132, 0.2779,
0.3476

■ 70.5374, 0.2888,
0.3408

■ 73.8222, 0.3005,
0.3346

Harmonies

Analogous

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



58.6611, 0.3140, 0.4613



58.6611, 0.2454, 0.4035



58.6611, 0.1985, 0.3217

Triad

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



58.6611, 0.2454, 0.4035



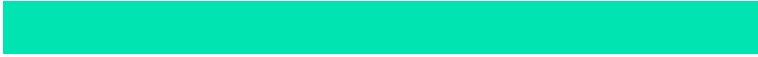
58.6611, 0.2315, 0.2139



58.6611, 0.4645, 0.3731

Complementary

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



58.6611, 0.2454, 0.4035



16.7342, 0.6039, 0.3101

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.



58.6611, 0.4398, 0.3172



58.6611, 0.2454, 0.4035



58.6611, 0.2961, 0.2306

Square

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



58.6611, 0.2454, 0.4035



58.6611, 0.1925, 0.2210



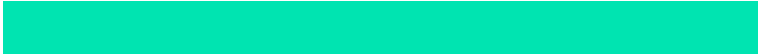
58.6611, 0.3745, 0.2672



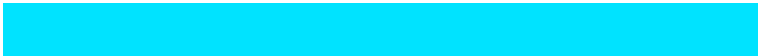
58.6611, 0.4423, 0.4274

Rectangle

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



58.6611, 0.2454, 0.4035



58.6611, 0.1836, 0.2749



58.6611, 0.3745, 0.2672



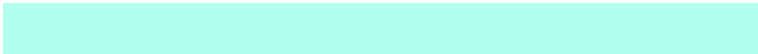
58.6611, 0.4617, 0.3543

Sweetspot

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



58.6657, 0.2454, 0.4035



87.2109, 0.2777, 0.3477



56.2532, 0.3083, 0.5934



18.3741, 0.2734, 0.3507



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.



58.6657, 0.2454, 0.4035



75.5958, 0.2456, 0.4040



33.3146, 0.1997, 0.2387



16.2783, 0.3011, 0.3343



33.8919, 0.2451, 0.4022



2.5181, 0.2417, 0.3902

Inverse Universe

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



16.7342, 0.6039, 0.3101



21.5557, 0.6053, 0.3108



19.8116, 0.6062, 0.3569



14.4205, 0.3257, 0.3238



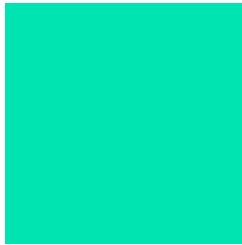
9.6769, 0.6004, 0.3081



0.7289, 0.5597, 0.2857

Previews

White Background



This preview shows how the Yxy color 58.6611, 0.2454, 0.4035 looks on a white background.

Color Contrast Check

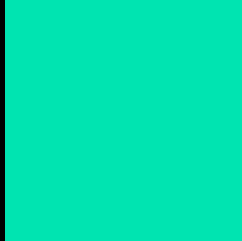
Large Text (above 18pt) WCAG AA × Fail

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 58.6611, 0.2454, 0.4035 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

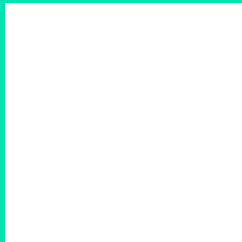
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.6611, 0.2454, 0.4035

Background



This preview shows how black text looks on a background with the Yxy color 58.6611, 0.2454, 0.4035.

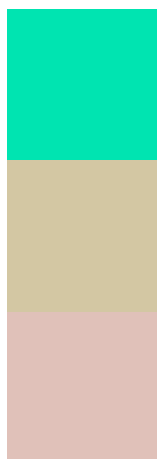


This preview shows how white text looks on a background with the Yxy color 58.6611, 0.2454, 0.4035.

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

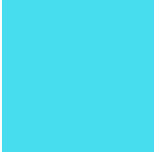
58.6611, 0.2454, 0.4035

Protanopia

57.3401, 0.3497, 0.3721

Deuteranopia

57.4900, 0.3446, 0.3382



Tritanopia

58.6990, 0.2269, 0.3053

Trichromacy



Original Color

58.6611, 0.2454, 0.4035



Protanomaly

53.9887, 0.2868, 0.3876



Deuteranomaly

53.3597, 0.2836, 0.3616



Tritanomaly

58.2911, 0.2314, 0.3384

Monochromacy



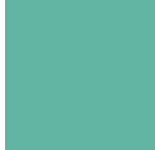
Original Color

58.6611, 0.2454, 0.4035



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

38.2531, 0.2639, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6611, 0.2454, 0.4035 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, 228, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 177)  
}
```

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, 228, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 177) }
```

Border

The CSS property to change the border of an element to Yxy 58.6611, 0.2454, 0.4035 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, 228, 177) }
```

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

```
.border{ border-color:rgb(0, 228, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6611, 0.2454, 0.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 177) }
```

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

```
.background{ background-color: rgb(0, 228,  
177) }
```

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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