

Converting Colors

$Y_{xy}(57.7538, 0.2614, 0.4611)$

Have a look what the booklet for
Yxy(57.7538, 0.2614, 0.4611)
contains.

Yxy(57.9617, 0.2617, 0.4620)	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(57.9617, 0.2617, 0.4620)

Conversions

Conversions Part 1

Format	Color
Hex	00E58D
RGB	0, 229, 141
RGB Percent	0%, 90%, 55%
CMY	0.9981, 0.1020, 0.4470
CMYK	1.00, 0.00, 0.38, 0.10
HSL	157°, 100%, 45%
HSV	157°, 100%, 90%
XYZ	32.8324, 57.9617, 34.6641
YIQ	150.4970, -108.2360, -75.9160

Conversions

Conversions Part 2

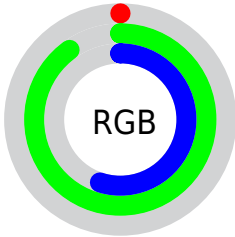
Format	Color
RYB	0, 142, 229
Decimal	58765
CIELab	80.72, -66.06, 30.19
CIElCh	81, 72.632, 155.439
Yxy	57.9617, 0.2617, 0.4620
Android (android.graphics.Color)	4278248845 (0xFF00E58D)
YUV	150.4970, -4.6820, -131.9859
Hunter-Lab	76.1326, -56.2533, 26.2973

Details

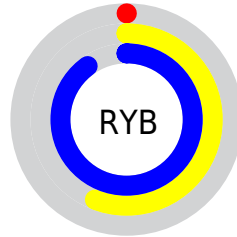
The Yxy color **57.9617, 0.2617, 0.4620** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **17.3801, 0.5467, 0.2787**, and the grayscale version is **30.8408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6483, 0.2663, 0.4043**, and **30.2432, 0.2700, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **57.9555, 0.2618, 0.4623**, and if you desaturate by 10%, it is **58.4206, 0.2594, 0.4474**.

Distribution



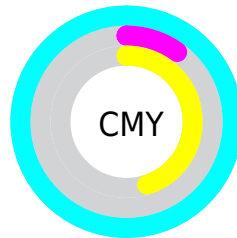
- Red (0%)
- Green (90%)
- Blue (55%)



- Red (0%)
- Yellow (56%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.9617, 0.2617, 0.4620 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 57.9617, 0.2617, 0.4620 by changing the saturation by 10% instead.

 57.9617, 0.2617,
0.4620

 57.9617, 0.2617,
0.4620


417.0432, 0.2888,
0.3929

 41.7779, 0.2545,
0.4799

 101.8671, 0.2719,
0.4364


 28.9274, 0.2451,
0.5031

 130.3574, 0.2756,
0.4269

 19.0259, 0.2321,
0.5344


 163.7187, 0.2787,
0.4189

 11.6890, 0.2137,
0.5783

 202.3353, 0.2814,
0.4121

 6.5323, 0.1855,
0.6433

 246.5917, 0.2836,
0.4063

 3.1714, 0.1375,
0.7688

296.8722, 0.2856,

 1.2218, 0.0000,

0.4012

1.0000

353.5612, 0.2873,
0.3968

■ 0.0794, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9617, 0.2617,
0.4620

■ 57.9617, 0.2617,
0.4620

■ 57.9555, 0.2618,
0.4623

■ 58.4206, 0.2594,
0.4474

■ 59.1157, 0.2589,
0.4325

■ 60.1163, 0.2604,
0.4174

■ 61.4623, 0.2639,
0.4024

■ 63.1875, 0.2692,
0.3879

■ 65.3212, 0.2761,
0.3741

■ 67.8900, 0.2842,
0.3612

■ 70.9182, 0.2933,
0.3494

■ 74.4281, 0.3029,
0.3385

Harmonies

Analogous

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



57.9617, 0.3482, 0.5043



57.9617, 0.2617, 0.4620



57.9617, 0.1940, 0.3615

Triad

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



57.9617, 0.2617, 0.4620



57.9617, 0.1918, 0.1921



57.9617, 0.4932, 0.3484

Complementary

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



57.9617, 0.2617, 0.4620



17.3801, 0.5467, 0.2787

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.



57.9617, 0.4394, 0.2861



57.9617, 0.2617, 0.4620



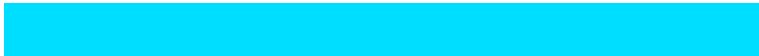
57.9617, 0.2549, 0.2009

Square

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



57.9617, 0.2617, 0.4620



57.9617, 0.1607, 0.2118



57.9617, 0.3459, 0.2341



57.9617, 0.4860, 0.4146

Rectangle

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



57.9617, 0.2617, 0.4620



57.9617, 0.1678, 0.2950



57.9617, 0.3459, 0.2341



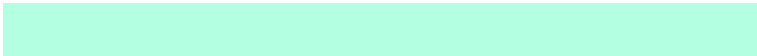
57.9617, 0.4818, 0.3270

Sweetspot

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



57.9640, 0.2617, 0.4620



86.5105, 0.2839, 0.3617



58.3077, 0.3233, 0.5814



18.2063, 0.2804, 0.3671



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.



57.9640, 0.2617, 0.4620



73.9485, 0.2620, 0.4631



49.8727, 0.2158, 0.2969



16.2374, 0.3033, 0.3382



33.1612, 0.2611, 0.4600



2.4685, 0.2552, 0.4387

Inverse Universe

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



17.3801, 0.5467, 0.2787



22.1451, 0.5488, 0.2797



17.2846, 0.6330, 0.3353



14.4594, 0.3232, 0.3200



9.9504, 0.5433, 0.2767



0.7530, 0.5040, 0.2550

Previews

White Background



This preview shows how the Yxy color 57.9617, 0.2617, 0.4620 looks on a white background.

Color Contrast Check

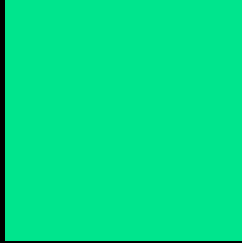
Large Text (above 18pt) WCAG AA × Fail

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 57.9617, 0.2617, 0.4620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

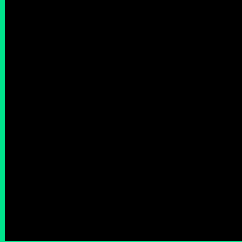
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.9617, 0.2617, 0.4620

Background



This preview shows how black text looks on a background with the Yxy color 57.9617, 0.2617, 0.4620.

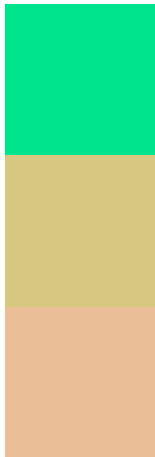


This preview shows how white text looks on a background with the Yxy color 57.9617, 0.2617, 0.4620.

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

57.9617, 0.2617, 0.4620

Protanopia

57.0308, 0.3799, 0.4111

Deuteranopia

56.5213, 0.3829, 0.3741



Tritanopia

57.9348, 0.2304, 0.3066

Trichromacy



Original Color

57.9617, 0.2617, 0.4620



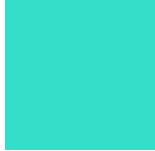
Protanomaly

53.1899, 0.3110, 0.4381



Deuteranomaly

51.6819, 0.3104, 0.4087



Tritanomaly

57.1897, 0.2387, 0.3584

Monochromacy



Original Color

57.9617, 0.2617, 0.4620



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

36.8336, 0.2720, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9617, 0.2617, 0.4620 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, 229, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 141)  
}
```

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, 229, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 141) }
```

Border

The CSS property to change the border of an element to Yxy 57.9617, 0.2617, 0.4620 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, 229, 141) }
```

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

```
.border{ border-color:rgb(0, 229, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 229, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9617, 0.2617, 0.4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 141) }
```

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

```
.background{ background-color: rgb(0, 229,  
141) }
```

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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