

Converting Colors

$Y_{xy}(57.7320, 0.2699, 0.4915)$

Have a look what the booklet for
Yxy(57.7320, 0.2699, 0.4915)
contains.

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Color

Yxy(57.4502, 0.2700, 0.4917)

Conversions

Conversions Part 1

Format	Color
Hex	01E57A
RGB	1, 229, 122
RGB Percent	0%, 90%, 48%
CMY	0.9954, 0.1020, 0.5215
CMYK	0.99, 0.00, 0.47, 0.10
HSL	152°, 99%, 45%
HSV	152°, 99%, 90%
XYZ	31.5468, 57.4502, 27.8430
YIQ	148.6300, -101.5410, -81.6130

Conversions

Conversions Part 2

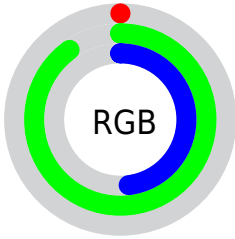
Format	Color
RYB	1, 150, 229
Decimal	124282
CIELab	80.43, -69.47, 39.32
CIELCh	80, 79.825, 150.492
Yxy	57.4502, 0.2700, 0.4917
Android (android.graphics.Color)	4278314362 (0xFF01E57A)
YUV	148.6300, -13.1286, -129.4715
Hunter-Lab	75.7959, -58.3499, 31.2775

Details

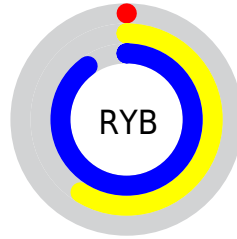
The Yxy color **57.4502, 0.2700, 0.4917** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **17.7697, 0.5106, 0.2589**, and the grayscale version is **30.0031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9058, 0.2753, 0.4297**, and **29.9600, 0.2800, 0.5279** is the 20% darker color. If you saturate the color by 10%, you get **57.4314, 0.2702, 0.4926**, and if you desaturate by 10%, it is **57.9216, 0.2671, 0.4744**.

Distribution



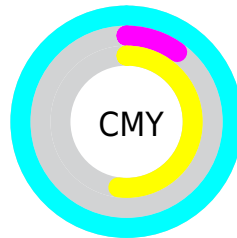
- Red (0%)
- Green (90%)
- Blue (48%)



- Red (0%)
- Yellow (59%)
- Blue (90%)



- Cyan (99%)
- Magenta (0%)
- Yellow (47%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.4502, 0.2700, 0.4917 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 57.4502, 0.2700, 0.4917 by changing the saturation by 10% instead.


 57.4502, 0.2700,
0.4917


 57.4502, 0.2700,
0.4917


415.1341, 0.2945,
0.4064

 41.3668, 0.2630,
0.5138


 101.1218, 0.2796,
0.4600


 28.6058, 0.2534,
0.5425


 129.4788, 0.2830,
0.4483

 18.7828, 0.2399,
0.5809


 162.6957, 0.2858,
0.4384

 11.5135, 0.2198,
0.6341

 201.1571, 0.2881,
0.4301

 6.4133, 0.1879,
0.7103

 245.2472, 0.2901,
0.4229

 3.0980, 0.1278,
0.8722

295.3505, 0.2918,

 1.1831, 0.0000,

0.4167

1.0000

351.8513, 0.2932,
0.4112

■ 0.0478, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.4502, 0.2700,
0.4917

■ 57.4502, 0.2700,
0.4917

■ 57.4314, 0.2702,
0.4926


■ 57.9216, 0.2671,
0.4744


■ 58.6422, 0.2660,
0.4562


■ 59.6791, 0.2669,
0.4376


■ 61.0724, 0.2698,
0.4191

 62.8560, 0.2744,
0.4012

 65.0597, 0.2805,
0.3841

 67.7103, 0.2878,
0.3682

 70.8321, 0.2958,
0.3535

 74.4480, 0.3044,
0.3403

Harmonies

Analogous

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



57.4502, 0.3643, 0.5213



57.4502, 0.2700, 0.4917



57.4502, 0.1925, 0.3841

Triad

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



57.4502, 0.2700, 0.4917



57.4502, 0.1741, 0.1823



57.4502, 0.5056, 0.3360

Complementary

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



57.4502, 0.2700, 0.4917



17.7697, 0.5106, 0.2589

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.



57.4502, 0.4368, 0.2713



57.4502, 0.2700, 0.4917



57.4502, 0.2356, 0.1875

Square

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



57.4502, 0.2700, 0.4917



57.4502, 0.1467, 0.2079



57.4502, 0.3307, 0.2188



57.4502, 0.5064, 0.4063

Rectangle

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



57.4502, 0.2700, 0.4917



57.4502, 0.1608, 0.3068



57.4502, 0.3307, 0.2188



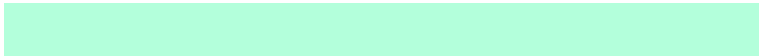
57.4502, 0.4897, 0.3137

Sweetspot

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



57.4525, 0.2700, 0.4917



86.1628, 0.2872, 0.3692



59.4403, 0.3337, 0.5730



18.1237, 0.2841, 0.3759



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.



57.4525, 0.2700, 0.4917



73.2765, 0.2704, 0.4935



59.6257, 0.2233, 0.3236



16.2163, 0.3044, 0.3403



32.8605, 0.2694, 0.4899



2.4470, 0.2623, 0.4644

Inverse Universe

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



17.7697, 0.5106, 0.2589



22.6099, 0.5133, 0.2601



16.7687, 0.6385, 0.3307



14.4801, 0.3219, 0.3180



10.1615, 0.5083, 0.2574



0.7695, 0.4738, 0.2384

Previews

White Background



This preview shows how the Yxy color 57.4502, 0.2700, 0.4917 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 57.4502, 0.2700, 0.4917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

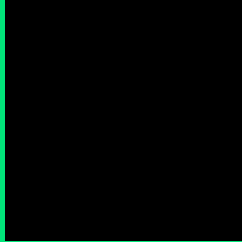
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.4502, 0.2700, 0.4917

Background



This preview shows how black text looks on a background with the Yxy color 57.4502, 0.2700, 0.4917.

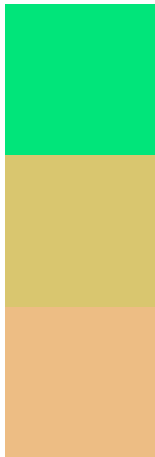


This preview shows how white text looks on a background with the Yxy color 57.4502, 0.2700, 0.4917.

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

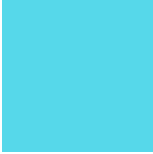
57.4502, 0.2700, 0.4917

Protanopia

56.2876, 0.3941, 0.4292

Deuteranopia

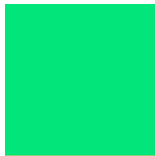
56.0657, 0.4007, 0.3921



Tritanopia

57.0307, 0.2314, 0.3052

Trichromacy



Original Color

57.4502, 0.2700, 0.4917



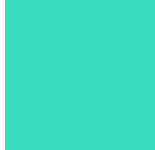
Protanomaly

52.3277, 0.3226, 0.4620



Deuteranomaly

51.3236, 0.3245, 0.4354



Tritanomaly

56.3754, 0.2425, 0.3689

Monochromacy



Original Color

57.4502, 0.2700, 0.4917



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

36.1378, 0.2765, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.4502, 0.2700, 0.4917 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, 229, 122)` looks like.

```
.text, #text, p{  
    color:rgb(1, 229, 122)  
}
```

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, 229, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 229, 122) }
```

Border

The CSS property to change the border of an element to Yxy 57.4502, 0.2700, 0.4917 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, 229, 122) }
```

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

```
.border{ border-color:rgb(1, 229, 122) }
```

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

Here you see how a box with a 4 pixel rgb(1, 229, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 229, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 229, 122);  
box-shadow:4px 4px 4px 4px rgb(1, 229,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 57.4502, 0.2700, 0.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 229, 122) }
```

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

```
.background{ background-color: rgb(1, 229,  
122) }
```

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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