

Converting Colors

$Yxy(54.1506, 0.1964, 0.4695)$

Have a look what the booklet for
Yxy(54.1506, 0.1964, 0.4695)
contains.

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Color

Yxy(60.5122, 0.2584, 0.4504)

Conversions

Conversions Part 1

Format	Color
Hex	00E997
RGB	0, 233, 151
RGB Percent	0%, 91%, 59%
CMY	1.0000, 0.0862, 0.4079
CMYK	1.00, 0.00, 0.35, 0.09
HSL	159°, 100%, 46%
HSV	159°, 100%, 91%
XYZ	34.7166, 60.5122, 39.1233
YIQ	153.9850, -112.5460, -74.8980

Conversions

Conversions Part 2

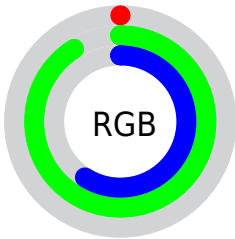
Format	Color
RYB	0, 141, 233
Decimal	59799
CIELab	82.12, -65.50, 26.98
CIELCh	82, 70.839, 157.613
Yxy	60.5122, 0.2584, 0.4504
Android (android.graphics.Color)	4278249879 (0xFF00E997)
YUV	153.9850, -1.4716, -135.0448
Hunter-Lab	77.7896, -56.4693, 24.6335

Details

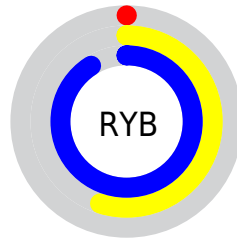
The Yxy color **60.5122, 0.2584, 0.4504** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **17.9355, 0.5606, 0.2862**, and the grayscale version is **32.3545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2912, 0.2621, 0.3896**, and **31.9515, 0.2663, 0.4786** is the 20% darker color. If you saturate the color by 10%, you get **60.5196, 0.2584, 0.4504**, and if you desaturate by 10%, it is **60.9812, 0.2564, 0.4370**.

Distribution



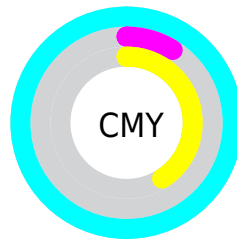
- Red (0%)
- Green (91%)
- Blue (59%)



- Red (0%)
- Yellow (55%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.5122, 0.2584, 0.4504 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 60.5122, 0.2584, 0.4504 by changing the saturation by 10% instead.


 60.5122, 0.2584,
0.4504


 60.5122, 0.2584,
0.4504


426.4832, 0.2864,
0.3880

 43.8316, 0.2512,
0.4663


 105.5723, 0.2688,
0.4274

 30.5382, 0.2419,
0.4870


 134.7206, 0.2726,
0.4189


 20.2474, 0.2294,
0.5146


 168.7937, 0.2758,
0.4117

 12.5750, 0.2118,
0.5532

 208.1758, 0.2786,
0.4055

 7.1366, 0.1857,
0.6102

 253.2514, 0.2809,
0.4003

 3.5477, 0.1440,
0.7018

304.4049, 0.2830,

 1.4239, 0.0000,

0.3956

1.0000

362.0207, 0.2848,
0.3916

■ 0.2342, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.5122, 0.2584,
0.4504

■ 60.5122, 0.2584,
0.4504

■ 60.5196, 0.2584,
0.4504

■ 60.9812, 0.2564,
0.4370

■ 61.6852, 0.2561,
0.4234

■ 62.7028, 0.2578,
0.4097

■ 64.0758, 0.2616,
0.3961

■ 65.8393, 0.2671,
0.3830

■ 68.0241, 0.2743,
0.3704

■ 70.6578, 0.2828,
0.3587

■ 73.7657, 0.2922,
0.3478

■ 77.3710, 0.3023,
0.3379

Harmonies

Analogous

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



60.5122, 0.3417, 0.4968



60.5122, 0.2584, 0.4504



60.5122, 0.1947, 0.3532

Triad

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



60.5122, 0.2584, 0.4504



60.5122, 0.1990, 0.1961



60.5122, 0.4880, 0.3533

Complementary

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



60.5122, 0.2584, 0.4504



17.9355, 0.5606, 0.2862

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.



60.5122, 0.4400, 0.2920



60.5122, 0.2584, 0.4504



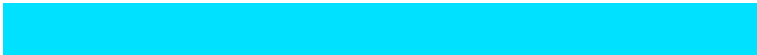
60.5122, 0.2627, 0.2064

Square

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



60.5122, 0.2584, 0.4504



60.5122, 0.1664, 0.2134



60.5122, 0.3518, 0.2403



60.5122, 0.4778, 0.4176

Rectangle

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



60.5122, 0.2584, 0.4504



60.5122, 0.1706, 0.2906



60.5122, 0.3518, 0.2403



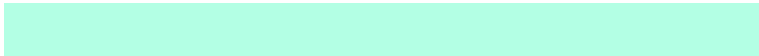
60.5122, 0.4784, 0.3323

Sweetspot

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



60.5196, 0.2584, 0.4504



86.6496, 0.2826, 0.3588



60.2375, 0.3195, 0.5845



18.2394, 0.2789, 0.3637



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.



60.5196, 0.2584, 0.4504



74.2453, 0.2586, 0.4510



48.0993, 0.2127, 0.2856



17.0266, 0.3028, 0.3374



34.3599, 0.2579, 0.4483



2.7162, 0.2527, 0.4298

Inverse Universe

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



17.9355, 0.5606, 0.2862



21.9941, 0.5619, 0.2869



18.3095, 0.6298, 0.3381



15.1416, 0.3238, 0.3207



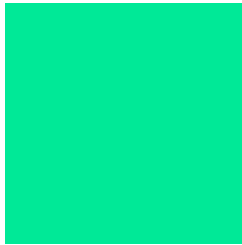
10.1969, 0.5566, 0.2840



0.8184, 0.5181, 0.2628

Previews

White Background



This preview shows how the Yxy color 60.5122, 0.2584, 0.4504 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 60.5122, 0.2584, 0.4504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

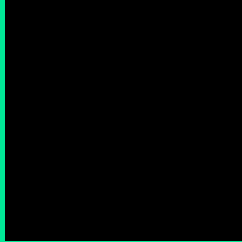
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.5122, 0.2584, 0.4504

Background



This preview shows how black text looks on a background with the Yxy color 60.5122, 0.2584, 0.4504.

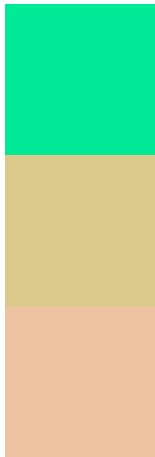


This preview shows how white text looks on a background with the Yxy color 60.5122, 0.2584, 0.4504.

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

60.5122, 0.2584, 0.4504

Protanopia

59.1361, 0.3746, 0.4033

Deuteranopia

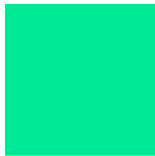
58.9545, 0.3749, 0.3670



Tritanopia

60.3277, 0.2297, 0.3057

Trichromacy



Original Color

60.5122, 0.2584, 0.4504



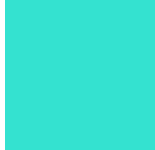
Protanomaly

55.0606, 0.3054, 0.4268



Deuteranomaly

54.0301, 0.3044, 0.3990



Tritanomaly

59.6768, 0.2370, 0.3536

Monochromacy



Original Color

60.5122, 0.2584, 0.4504



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

38.7636, 0.2701, 0.3777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.5122, 0.2584, 0.4504 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, 233, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 151)  
}
```

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, 233, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 151) }
```

Border

The CSS property to change the border of an element to Yxy 60.5122, 0.2584, 0.4504 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, 233, 151) }
```

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

```
.border{ border-color:rgb(0, 233, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 233, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 233, 151); box-shadow:4px 4px 4px 4px rgb(0, 233, 151) }
```


Background

The CSS property to change the background color of an element to Yxy 60.5122, 0.2584, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 151) }
```

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

```
.background{ background-color: rgb(0, 233,  
151) }
```

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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