

Converting Colors

$Yxy(54.1554, 0.2129, 0.4367)$

Have a look what the booklet for
Yxy(54.1554, 0.2129, 0.4367)
contains.

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Color

$\text{Yxy}(58.0954, 0.2520, 0.4273)$

Conversions

Conversions Part 1

Format	Color
Hex	00E4A2
RGB	0, 228, 162
RGB Percent	0%, 89%, 64%
CMY	1.0000, 0.1058, 0.3646
CMYK	1.00, 0.00, 0.29, 0.11
HSL	163°, 100%, 45%
HSV	163°, 100%, 89%
XYZ	34.2617, 58.0954, 43.6021
YIQ	152.3040, -114.7020, -68.8620

Conversions

Conversions Part 2

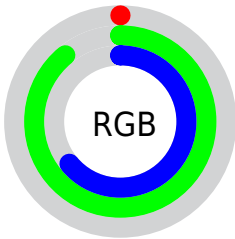
Format	Color
RYB	0, 133, 228
Decimal	58530
CIELab	80.79, -61.36, 19.47
CIELCh	81, 64.375, 162.399
Yxy	58.0954, 0.2520, 0.4273
Android (android.graphics.Color)	4278248610 (0xFF00E4A2)
YUV	152.3040, 4.7801, -133.5706
Hunter-Lab	76.2203, -53.1482, 19.4372

Details

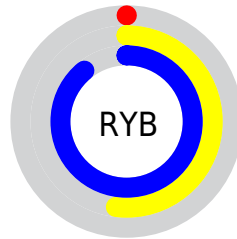
The Yxy color **58.0954, 0.2520, 0.4273** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **16.8885, 0.5833, 0.2987**, and the grayscale version is **31.5570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7179, 0.2565, 0.3754**, and **30.2516, 0.2582, 0.4495** is the 20% darker color. If you saturate the color by 10%, you get **58.1010, 0.2520, 0.4273**, and if you desaturate by 10%, it is **58.5218, 0.2506, 0.4164**.

Distribution



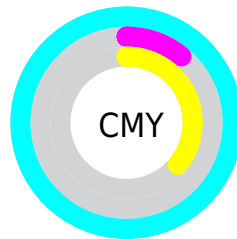
- Red (0%)
- Green (89%)
- Blue (64%)



- Red (0%)
- Yellow (52%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (11%)



- Cyan (100%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0954, 0.2520, 0.4273 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 58.0954, 0.2520, 0.4273 by changing the saturation by 10% instead.


 58.0954, 0.2520,
0.4273

 58.0954, 0.2520,
0.4273


417.5413, 0.2825,
0.3770


 41.8853, 0.2444,
0.4401


 102.0618, 0.2631,
0.4088

 29.0115, 0.2347,
0.4567

 130.5869, 0.2672,
0.4019

 19.0895, 0.2218,
0.4790


 163.9858, 0.2708,
0.3961

 11.7350, 0.2040,
0.5102

 202.6429, 0.2738,
0.3912

 6.5635, 0.1783,
0.5569

 246.9426, 0.2764,
0.3869

 3.1907, 0.1369,
0.6334

297.2693, 0.2787,

 1.2321, 0.0000,

0.3832

1.0000

354.0074, 0.2807,
0.3799

■ 0.0877, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0954, 0.2520,
0.4273

■ 58.0954, 0.2520,
0.4273

■ 58.1010, 0.2520,
0.4273

■ 58.5218, 0.2506,
0.4164

■ 59.1670, 0.2509,
0.4054

■ 60.1049, 0.2531,
0.3943

■ 61.3749, 0.2574,
0.3834

■ 63.0100, 0.2635,
0.3728

■ 65.0394, 0.2713,
0.3627

■ 67.4890, 0.2804,
0.3532

■ 70.3827, 0.2905,
0.3444

■ 73.7424, 0.3014,
0.3363

Harmonies

Analogous

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



58.0954, 0.3284, 0.4803



58.0954, 0.2520, 0.4273



58.0954, 0.1964, 0.3373

Triad

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



58.0954, 0.2520, 0.4273



58.0954, 0.2144, 0.2045



58.0954, 0.4769, 0.3630

Complementary

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



58.0954, 0.2520, 0.4273



16.8885, 0.5833, 0.2987

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.



58.0954, 0.4404, 0.3041



58.0954, 0.2520, 0.4273



58.0954, 0.2787, 0.2179

Square

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



58.0954, 0.2520, 0.4273



58.0954, 0.1787, 0.2170



58.0954, 0.3631, 0.2531



58.0954, 0.4608, 0.4228

Rectangle

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



58.0954, 0.2520, 0.4273



58.0954, 0.1767, 0.2826



58.0954, 0.3631, 0.2531



58.0954, 0.4707, 0.3429

Sweetspot

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



58.1010, 0.2520, 0.4273



86.9196, 0.2802, 0.3534



56.7349, 0.3133, 0.5894



18.3040, 0.2762, 0.3573



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.



58.1010, 0.2520, 0.4273



74.8648, 0.2522, 0.4279



39.2246, 0.2063, 0.2626



16.2616, 0.3020, 0.3359



33.5684, 0.2516, 0.4256



2.4965, 0.2471, 0.4097

Inverse Universe

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



16.8885, 0.5833, 0.2987



21.7516, 0.5848, 0.2995



18.4184, 0.6196, 0.3462



14.4363, 0.3247, 0.3222



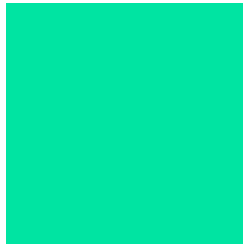
9.7691, 0.5794, 0.2965



0.7376, 0.5377, 0.2736

Previews

White Background



This preview shows how the Yxy color 58.0954, 0.2520, 0.4273 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 58.0954, 0.2520, 0.4273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

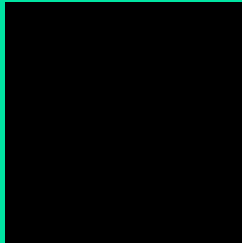
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.0954, 0.2520, 0.4273

Background



This preview shows how black text looks on a background with the Yxy color 58.0954, 0.2520, 0.4273.

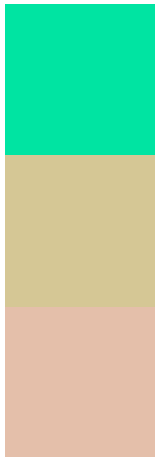


This preview shows how white text looks on a background with the Yxy color 58.0954, 0.2520, 0.4273.

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

58.0954, 0.2520, 0.4273

Protanopia

57.1629, 0.3622, 0.3886

Deuteranopia

56.6579, 0.3607, 0.3531



Tritanopia

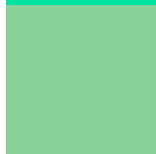
57.7354, 0.2283, 0.3052

Trichromacy



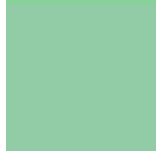
Original Color

58.0954, 0.2520, 0.4273



Protanomaly

53.6605, 0.2967, 0.4079



Deuteranomaly

51.9955, 0.2944, 0.3803



Tritanomaly

57.4744, 0.2345, 0.3469

Monochromacy



Original Color

58.0954, 0.2520, 0.4273



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

37.5842, 0.2669, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0954, 0.2520, 0.4273 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, 162)` looks like.

```
.text, #text, p{  
  color:rgb(0, 228, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 162) }
```

Border

The CSS property to change the border of an element to Yxy 58.0954, 0.2520, 0.4273 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, 162) }
```

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

```
.border{ border-color:rgb(0, 228, 162) }
```

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, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0954, 0.2520, 0.4273 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, 162) }
```

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

```
.background{ background-color: rgb(0, 228,  
162) }
```

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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