

Converting Colors

Yxy(58.4218, 0.2592, 0.4530)

Have a look what the booklet for
Yxy(58.4218, 0.2592, 0.4530)
contains.

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Color

Yxy(58.1452, 0.2590, 0.4525)

Conversions

Conversions Part 1

Format	Color
Hex	00E593
RGB	0, 229, 147
RGB Percent	0%, 90%, 58%
CMY	1.0000, 0.1019, 0.4235
CMYK	1.00, 0.00, 0.36, 0.10
HSL	159°, 100%, 45%
HSV	159°, 100%, 90%
XYZ	33.2809, 58.1452, 37.0716
YIQ	151.1810, -110.1620, -74.0500

Conversions

Conversions Part 2

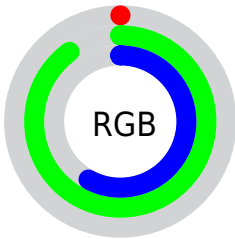
Format	Color
RYB	0, 139, 229
Decimal	58771
CIELab	80.82, -64.91, 27.27
CIElCh	81, 70.407, 157.208
Yxy	58.1452, 0.2590, 0.4525
Android (android.graphics.Color)	4278248851 (0xFF00E593)
YUV	151.1810, -2.0612, -132.5857
Hunter-Lab	76.2530, -55.5358, 24.5523

Details

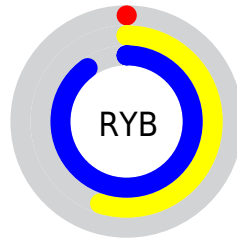
The Yxy color **58.1452, 0.2590, 0.4525** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **17.2690, 0.5580, 0.2848**, and the grayscale version is **31.0756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9252, 0.2636, 0.3963**, and **30.3496, 0.2666, 0.4798** is the 20% darker color. If you saturate the color by 10%, you get **58.1506, 0.2590, 0.4525**, and if you desaturate by 10%, it is **58.5983, 0.2570, 0.4389**.

Distribution



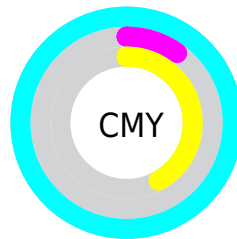
- Red (0%)
- Green (90%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1452, 0.2590, 0.4525 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 58.1452, 0.2590, 0.4525 by changing the saturation by 10% instead.


 58.1452, 0.2590,
0.4525

 58.1452, 0.2590,
0.4525


417.7268, 0.2870,
0.3886


 41.9254, 0.2517,
0.4690


 102.1343, 0.2694,
0.4288

 29.0429, 0.2422,
0.4904


 130.6723, 0.2733,
0.4201

 19.1133, 0.2294,
0.5192


 164.0853, 0.2765,
0.4127

 11.7521, 0.2112,
0.5598

 202.7574, 0.2792,
0.4064

 6.5751, 0.1840,
0.6201

 247.0733, 0.2816,
0.4010

 3.1978, 0.1375,
0.7257

297.4172, 0.2836,

 1.2359, 0.0000,

0.3963

1.0000

354.1736, 0.2854,
0.3922

■ 0.0907, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.1452, 0.2590,
0.4525

■ 58.1452, 0.2590,
0.4525

■ 58.1506, 0.2590,
0.4525

■ 58.5983, 0.2570,
0.4389

■ 59.2791, 0.2566,
0.4251

■ 60.2617, 0.2583,
0.4111

■ 61.5863, 0.2620,
0.3973

■ 63.2865, 0.2675,
0.3839

■ 65.3917, 0.2746,
0.3711

■ 67.9285, 0.2830,
0.3592

■ 70.9210, 0.2924,
0.3481

■ 74.3917, 0.3023,
0.3381

Harmonies

Analogous

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



58.1452, 0.3429, 0.4982



58.1452, 0.2590, 0.4525



58.1452, 0.1946, 0.3547

Triad

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



58.1452, 0.2590, 0.4525



58.1452, 0.1977, 0.1953



58.1452, 0.4889, 0.3524

Complementary

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



58.1452, 0.2590, 0.4525



17.2690, 0.5580, 0.2848

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.



58.1452, 0.4399, 0.2909



58.1452, 0.2590, 0.4525



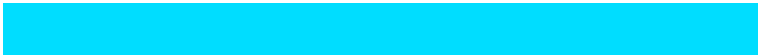
58.1452, 0.2613, 0.2054

Square

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



58.1452, 0.2590, 0.4525



58.1452, 0.1654, 0.2131



58.1452, 0.3508, 0.2392



58.1452, 0.4793, 0.4170

Rectangle

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



58.1452, 0.2590, 0.4525



58.1452, 0.1701, 0.2914



58.1452, 0.3508, 0.2392



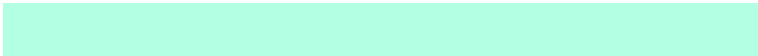
58.1452, 0.4790, 0.3313

Sweetspot

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



58.1506, 0.2590, 0.4525



86.6237, 0.2829, 0.3594



57.9275, 0.3196, 0.5844



18.2333, 0.2792, 0.3643



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

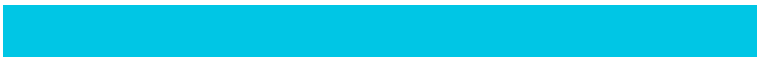
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.1506, 0.2590, 0.4525



74.1889, 0.2592, 0.4533



46.2634, 0.2127, 0.2856



16.2442, 0.3029, 0.3376



33.2682, 0.2584, 0.4504



2.4760, 0.2529, 0.4305

Inverse Universe

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



17.2690, 0.5580, 0.2848



22.0208, 0.5595, 0.2856



17.6155, 0.6297, 0.3382



14.4529, 0.3236, 0.3206



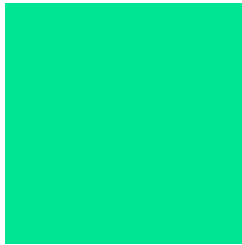
9.8935, 0.5540, 0.2825



0.7483, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 58.1452, 0.2590, 0.4525 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 58.1452, 0.2590, 0.4525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

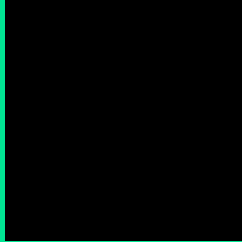
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.1452, 0.2590, 0.4525

Background



This preview shows how black text looks on a background with the Yxy color 58.1452, 0.2590, 0.4525.

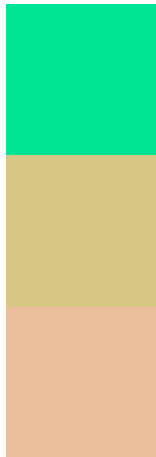


This preview shows how white text looks on a background with the Yxy color 58.1452, 0.2590, 0.4525.

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

58.1452, 0.2590, 0.4525

Protanopia

57.0152, 0.3753, 0.4057

Deuteranopia

56.9855, 0.3767, 0.3686



Tritanopia

57.9483, 0.2297, 0.3053

Trichromacy



Original Color

58.1452, 0.2590, 0.4525



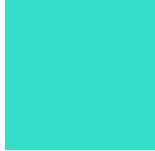
Protanomaly

53.2756, 0.3066, 0.4296



Deuteranomaly

52.2585, 0.3057, 0.4014



Tritanomaly

57.3322, 0.2374, 0.3540

Monochromacy



Original Color

58.1452, 0.2590, 0.4525



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

36.9290, 0.2700, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1452, 0.2590, 0.4525 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 147) }
```

Border

The CSS property to change the border of an element to Yxy 58.1452, 0.2590, 0.4525 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, 147) }
```

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

```
.border{ border-color:rgb(0, 229, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 147);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1452, 0.2590, 0.4525 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, 147) }
```

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

```
.background{ background-color: rgb(0, 229,  
147) }
```

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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