

Converting Colors

$Y_{xy}(57.8085, 0.2735, 0.5046)$

Have a look what the booklet for
Yxy(57.8085, 0.2735, 0.5046)
contains.

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Color

Yxy(57.8085, 0.2735, 0.5046)

Conversions

Conversions Part 1

Format	Color
Hex	00E672
RGB	0, 230, 114
RGB Percent	0%, 90%, 45%
CMY	1.0000, 0.0980, 0.5530
CMYK	1.00, 0.00, 0.50, 0.10
HSL	150°, 100%, 45%
HSV	150°, 100%, 90%
XYZ	31.3330, 57.8085, 25.4215
YIQ	148.0060, -99.8440, -84.8360

Conversions

Conversions Part 2

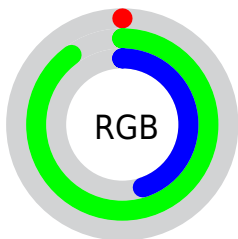
Format	Color
RYB	0, 154, 230
Decimal	58994
CIELab	80.63, -71.12, 43.45
CIELCh	81, 83.342, 148.574
Yxy	57.8085, 0.2735, 0.5046
Android (android.graphics.Color)	4278249074 (0xFF00E672)
YUV	148.0060, -16.7650, -129.8013
Hunter-Lab	76.0319, -59.4954, 33.3985

Details

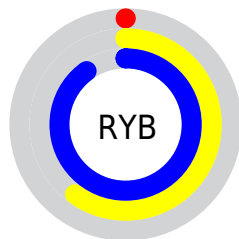
The Yxy color **57.8085, 0.2735, 0.5046** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **18.0852, 0.4970, 0.2512**, and the grayscale version is **29.7199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5984, 0.2789, 0.4405**, and **30.2349, 0.2844, 0.5437** is the 20% darker color. If you saturate the color by 10%, you get **57.8110, 0.2735, 0.5046**, and if you desaturate by 10%, it is **58.2743, 0.2704, 0.4864**.

Distribution



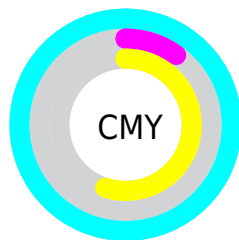
- Red (0%)
- Green (90%)
- Blue (45%)



- Red (0%)
- Yellow (60%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8085, 0.2735, 0.5046 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 57.8085, 0.2735, 0.5046 by changing the saturation by 10% instead.


 57.8085, 0.2735,
0.5046

 57.8085, 0.2735,
0.5046


416.4720, 0.2970,
0.4124

 41.6547, 0.2665,
0.5284

 101.6439, 0.2829,
0.4704

 28.8310, 0.2568,
0.5592


 130.0944, 0.2862,
0.4577


 18.9530, 0.2429,
0.6001


 163.4125, 0.2888,
0.4471

 11.6363, 0.2219,
0.6560

 201.9827, 0.2910,
0.4381

 6.4966, 0.1890,
0.7368

 246.1893, 0.2929,
0.4303

 3.1493, 0.1213,
0.8787

296.4168, 0.2945,

 1.2102, 0.0000,

0.4236

1.0000

353.0496, 0.2958,
0.4177

■ 0.0700, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.8085, 0.2735,
0.5046

■ 57.8085, 0.2735,
0.5046

■ 57.8110, 0.2735,
0.5046

■ 58.2743, 0.2704,
0.4864

■ 58.9889, 0.2689,
0.4671

■ 60.0250, 0.2694,
0.4472

■ 61.4237, 0.2719,
0.4273

■ 63.2198, 0.2762,
0.4078

■ 65.4438, 0.2819,
0.3893

■ 68.1230, 0.2887,
0.3720

■ 71.2825, 0.2963,
0.3562

■ 74.9455, 0.3044,
0.3418

Harmonies

Analogous

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



57.8085, 0.3709, 0.5278



57.8085, 0.2735, 0.5046



57.8085, 0.1919, 0.3944

Triad

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



57.8085, 0.2735, 0.5046



57.8085, 0.1669, 0.1782



57.8085, 0.5108, 0.3307

Complementary

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



57.8085, 0.2735, 0.5046



18.0852, 0.4970, 0.2512

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.



57.8085, 0.4354, 0.2651



57.8085, 0.2735, 0.5046



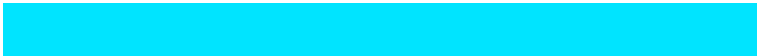
57.8085, 0.2275, 0.1819

Square

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



57.8085, 0.2735, 0.5046



57.8085, 0.1409, 0.2064



57.8085, 0.3240, 0.2124



57.8085, 0.5151, 0.4024

Rectangle

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



57.8085, 0.2735, 0.5046



57.8085, 0.1579, 0.3123



57.8085, 0.3240, 0.2124



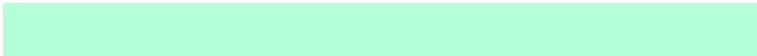
57.8085, 0.4928, 0.3080

Sweetspot

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



57.8110, 0.2735, 0.5046



86.0235, 0.2886, 0.3723



60.5067, 0.3380, 0.5699



18.0907, 0.2856, 0.3795



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.



57.8110, 0.2735, 0.5046



73.0360, 0.2738, 0.5056



62.0968, 0.2261, 0.3339



16.2077, 0.3049, 0.3411



32.7524, 0.2727, 0.5018



2.4390, 0.2653, 0.4749

Inverse Universe

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



18.0852, 0.4970, 0.2512



22.8350, 0.4982, 0.2518



16.8322, 0.6387, 0.3292



14.4887, 0.3214, 0.3172



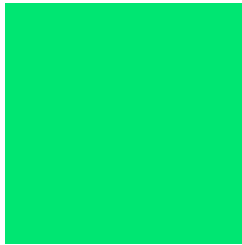
10.2631, 0.4935, 0.2492



0.7772, 0.4615, 0.2316

Previews

White Background



This preview shows how the Yxy color 57.8085, 0.2735, 0.5046 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 57.8085, 0.2735, 0.5046 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 57.8085, 0.2735, 0.5046

Background



This preview shows how black text looks on a background with the Yxy color 57.8085, 0.2735, 0.5046.



This preview shows how white text looks on a background with the Yxy color 57.8085, 0.2735, 0.5046.

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

57.8085, 0.2735, 0.5046

Protanopia

56.4275, 0.4011, 0.4365

Deuteranopia

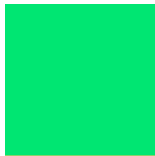
56.2012, 0.4087, 0.3999



Tritanopia

57.6409, 0.2324, 0.3066

Trichromacy



Original Color

57.8085, 0.2735, 0.5046



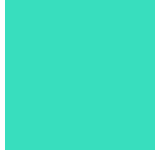
Protanomaly

52.6437, 0.3270, 0.4736



Deuteranomaly

51.2172, 0.3304, 0.4461



Tritanomaly

56.8010, 0.2444, 0.3747

Monochromacy



Original Color

57.8085, 0.2735, 0.5046



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

35.9980, 0.2779, 0.4004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8085, 0.2735, 0.5046 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, 230, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 114)  
}
```

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, 230, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 114) }
```

Border

The CSS property to change the border of an element to Yxy 57.8085, 0.2735, 0.5046 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, 230, 114) }
```

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

```
.border{ border-color:rgb(0, 230, 114) }
```

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

Here you see how a box with a 4 pixel rgb(0, 230, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8085, 0.2735, 0.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 114) }
```

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

```
.background{ background-color: rgb(0, 230,  
114) }
```

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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