

Converting Colors

$Yxy(57.7370, 0.2698, 0.4912)$

Have a look what the booklet for
Yxy(57.7370, 0.2698, 0.4912)
contains.

Yxy(58.0237, 0.2697, 0.4911)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.0237, 0.2697, 0.4911)

Conversions

Conversions Part 1

Format	Color
Hex	00E67B
RGB	0, 230, 123
RGB Percent	0%, 90%, 48%
CMY	1.0000, 0.0980, 0.5176
CMYK	1.00, 0.00, 0.47, 0.10
HSL	152°, 100%, 45%
HSV	152°, 100%, 90%
XYZ	31.8652, 58.0237, 28.2616
YIQ	149.0320, -102.7330, -82.0370

Conversions

Conversions Part 2

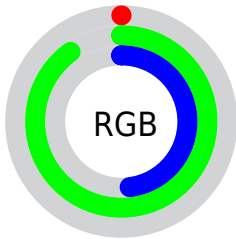
Format	Color
RYB	0, 150, 230
Decimal	59003
CIELab	80.75, -69.69, 39.24
CIELCh	81, 79.974, 150.620
Yxy	58.0237, 0.2697, 0.4911
Android (android.graphics.Color)	4278249083 (0xFF00E67B)
YUV	149.0320, -12.8338, -130.7011
Hunter-Lab	76.1733, -58.6323, 31.3237

Details

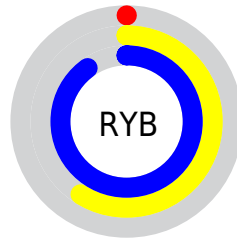
The Yxy color **58.0237, 0.2697, 0.4911** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **17.8866, 0.5138, 0.2604**, and the grayscale version is **30.1600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9455, 0.2748, 0.4284**, and **30.3550, 0.2797, 0.5269** is the 20% darker color. If you saturate the color by 10%, you get **58.0309, 0.2697, 0.4911**, and if you desaturate by 10%, it is **58.4959, 0.2668, 0.4739**.

Distribution



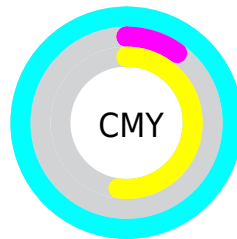
- Red (0%)
- Green (90%)
- Blue (48%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (10%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.0237, 0.2697, 0.4911 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 58.0237, 0.2697, 0.4911 by changing the saturation by 10% instead.

 58.0237, 0.2697,
0.4911


 58.0237, 0.2697,
0.4911


417.2742, 0.2943,
0.4062


 41.8277, 0.2627,
0.5131


 101.9574, 0.2793,
0.4596


 28.9664, 0.2532,
0.5415


 130.4638, 0.2827,
0.4479

 19.0554, 0.2397,
0.5796


 163.8426, 0.2855,
0.4381

 11.7103, 0.2198,
0.6323

 202.4780, 0.2878,
0.4298

 6.5467, 0.1883,
0.7076

 246.7545, 0.2898,
0.4227

 3.1803, 0.1317,
0.8683

297.0564, 0.2915,

 1.2266, 0.0000,

0.4165

1.0000

353.7682, 0.2930,
0.4110

■ 0.0832, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.0237, 0.2697,
0.4911

■ 58.0237, 0.2697,
0.4911

■ 58.0309, 0.2697,
0.4911

■ 58.4959, 0.2668,
0.4739

■ 59.2077, 0.2656,
0.4559

■ 60.2362, 0.2664,
0.4375

■ 61.6224, 0.2693,
0.4192

■ 63.4007, 0.2739,
0.4014

■ 65.6014, 0.2800,
0.3844

■ 68.2517, 0.2872,
0.3686

■ 71.3764, 0.2953,
0.3540

■ 74.9986, 0.3039,
0.3408

Harmonies

Analogous

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



58.0237, 0.3639, 0.5211



58.0237, 0.2697, 0.4911



58.0237, 0.1924, 0.3835

Triad

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



58.0237, 0.2697, 0.4911



58.0237, 0.1745, 0.1824



58.0237, 0.5055, 0.3364

Complementary

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



58.0237, 0.2697, 0.4911



17.8866, 0.5138, 0.2604

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.



58.0237, 0.4371, 0.2717



58.0237, 0.2697, 0.4911



58.0237, 0.2360, 0.1878

Square

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



58.0237, 0.2697, 0.4911



58.0237, 0.1469, 0.2079



58.0237, 0.3311, 0.2192



58.0237, 0.5061, 0.4066

Rectangle

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



58.0237, 0.2697, 0.4911



58.0237, 0.1609, 0.3064



58.0237, 0.3311, 0.2192



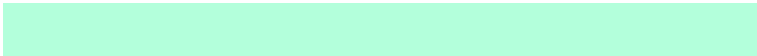
58.0237, 0.4897, 0.3140

Sweetspot

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



58.0309, 0.2697, 0.4911



86.1804, 0.2871, 0.3688



59.7475, 0.3312, 0.5752



18.1279, 0.2839, 0.3754



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

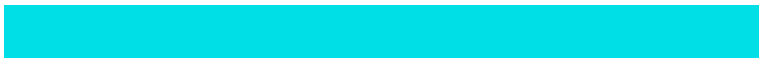
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.0309, 0.2697, 0.4911



73.3082, 0.2700, 0.4920



58.1401, 0.2218, 0.3184



16.2174, 0.3043, 0.3401



32.8748, 0.2690, 0.4884



2.4481, 0.2620, 0.4631

Inverse Universe

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



17.8866, 0.5138, 0.2604



22.5829, 0.5151, 0.2611



16.9915, 0.6382, 0.3314



14.4790, 0.3220, 0.3181



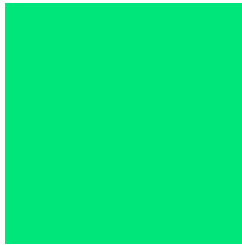
10.1494, 0.5101, 0.2584



0.7686, 0.4753, 0.2392

Previews

White Background



This preview shows how the Yxy color 58.0237, 0.2697, 0.4911 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 58.0237, 0.2697, 0.4911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

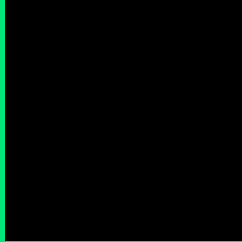
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.0237, 0.2697, 0.4911

Background



This preview shows how black text looks on a background with the Yxy color 58.0237, 0.2697, 0.4911.



This preview shows how white text looks on a background with the Yxy color 58.0237, 0.2697, 0.4911.

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

58.0237, 0.2697, 0.4911

Protanopia

56.9221, 0.3937, 0.4288

Deuteranopia

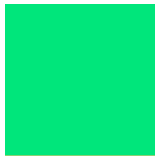
56.6975, 0.4002, 0.3919



Tritanopia

57.6501, 0.2317, 0.3053

Trichromacy



Original Color

58.0237, 0.2697, 0.4911



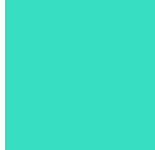
Protanomaly

52.8431, 0.3219, 0.4616



Deuteranomaly

51.8269, 0.3237, 0.4351



Tritanomaly

56.9498, 0.2424, 0.3687

Monochromacy



Original Color

58.0237, 0.2697, 0.4911



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

36.1671, 0.2758, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0237, 0.2697, 0.4911 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 123) }
```

Border

The CSS property to change the border of an element to Yxy 58.0237, 0.2697, 0.4911 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, 123) }
```

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

```
.border{ border-color:rgb(0, 230, 123) }
```

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, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0237, 0.2697, 0.4911 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, 123) }
```

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

```
.background{ background-color: rgb(0, 230,  
123) }
```

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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