

Converting Colors

$Y_{xy}(57.4687, 0.2695, 0.4902)$

Have a look what the booklet for
Yxy(57.4687, 0.2695, 0.4902)
contains.

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Color

Yxy(57.4687, 0.2695, 0.4902)

Conversions

Conversions Part 1

Format	Color
Hex	00E57B
RGB	0, 229, 123
RGB Percent	0%, 90%, 48%
CMY	1.0000, 0.1019, 0.5176
CMYK	1.00, 0.00, 0.46, 0.10
HSL	152°, 100%, 45%
HSV	152°, 100%, 90%
XYZ	31.5949, 57.4687, 28.1716
YIQ	148.4450, -102.4580, -81.5140

Conversions

Conversions Part 2

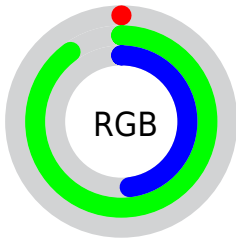
Format	Color
RYB	0, 149, 229
Decimal	58747
CIELab	80.44, -69.34, 38.84
CIELCh	80, 79.475, 150.746
Yxy	57.4687, 0.2695, 0.4902
Android (android.graphics.Color)	4278248827 (0xFF00E57B)
YUV	148.4450, -12.5444, -130.1863
Hunter-Lab	75.8081, -58.2699, 31.0325

Details

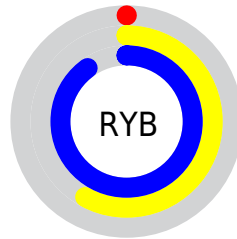
The Yxy color **57.4687, 0.2695, 0.4902** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **17.6989, 0.5148, 0.2610**, and the grayscale version is **29.8972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9455, 0.2748, 0.4284**, and **29.9729, 0.2795, 0.5261** is the 20% darker color. If you saturate the color by 10%, you get **57.4712, 0.2695, 0.4902**, and if you desaturate by 10%, it is **57.9322, 0.2666, 0.4731**.

Distribution



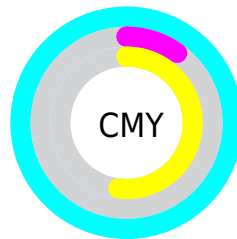
- Red (0%)
- Green (90%)
- Blue (48%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (10%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.4687, 0.2695, 0.4902 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 57.4687, 0.2695, 0.4902 by changing the saturation by 10% instead.


 57.4687, 0.2695,
0.4902


 57.4687, 0.2695,
0.4902


415.2033, 0.2941,
0.4057


 41.3817, 0.2624,
0.5121


 101.1488, 0.2791,
0.4588


 28.6174, 0.2529,
0.5406


 129.5106, 0.2826,
0.4472


 18.7916, 0.2394,
0.5786


 162.7328, 0.2854,
0.4374

 11.5198, 0.2194,
0.6314

 201.1997, 0.2877,
0.4292

 6.4176, 0.1877,
0.7072

 245.2959, 0.2897,
0.4221

 3.1006, 0.1288,
0.8712

295.4056, 0.2914,

 1.1845, 0.0000,

0.4159

1.0000

351.9133, 0.2929,
0.4105

■ 0.0490, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.4687, 0.2695,
0.4902

■ 57.4687, 0.2695,
0.4902

■ 57.4712, 0.2695,
0.4902

■ 57.9322, 0.2666,
0.4731

■ 58.6371, 0.2654,
0.4552

■ 59.6553, 0.2663,
0.4369

■ 61.0272, 0.2691,
0.4187

■ 62.7869, 0.2737,
0.4010

■ 64.9642, 0.2798,
0.3841

■ 67.5862, 0.2871,
0.3683

■ 70.6774, 0.2952,
0.3539

■ 74.2605, 0.3038,
0.3408

Harmonies

Analogous

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



57.4687, 0.3634, 0.5206



57.4687, 0.2695, 0.4902



57.4687, 0.1925, 0.3828

Triad

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



57.4687, 0.2695, 0.4902



57.4687, 0.1750, 0.1827



57.4687, 0.5051, 0.3367

Complementary

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



57.4687, 0.2695, 0.4902



17.6989, 0.5148, 0.2610

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.



57.4687, 0.4371, 0.2721



57.4687, 0.2695, 0.4902



57.4687, 0.2366, 0.1882

Square

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



57.4687, 0.2695, 0.4902



57.4687, 0.1474, 0.2081



57.4687, 0.3316, 0.2196



57.4687, 0.5054, 0.4068

Rectangle

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



57.4687, 0.2695, 0.4902



57.4687, 0.1611, 0.3061



57.4687, 0.3316, 0.2196



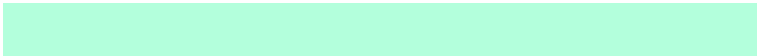
57.4687, 0.4894, 0.3144

Sweetspot

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



57.4712, 0.2695, 0.4902



86.1901, 0.2870, 0.3686



59.1583, 0.3312, 0.5752



18.1301, 0.2838, 0.3752



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.



57.4712, 0.2695, 0.4902



73.3257, 0.2698, 0.4912



57.5660, 0.2218, 0.3184



16.2180, 0.3043, 0.3401



32.8826, 0.2688, 0.4876



2.4486, 0.2618, 0.4624

Inverse Universe

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



17.6989, 0.5148, 0.2610



22.5684, 0.5162, 0.2617



16.8243, 0.6382, 0.3314



14.4784, 0.3220, 0.3182



10.1428, 0.5111, 0.2589



0.7681, 0.4762, 0.2397

Previews

White Background



This preview shows how the Yxy color 57.4687, 0.2695, 0.4902 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 57.4687, 0.2695, 0.4902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

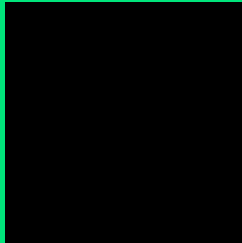
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.4687, 0.2695, 0.4902

Background



This preview shows how black text looks on a background with the Yxy color 57.4687, 0.2695, 0.4902.

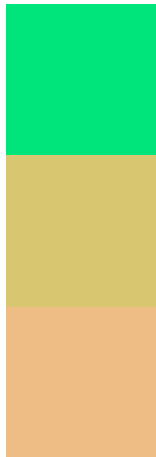


This preview shows how white text looks on a background with the Yxy color 57.4687, 0.2695, 0.4902.

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

57.4687, 0.2695, 0.4902

Protanopia

56.3097, 0.3934, 0.4282

Deuteranopia

56.0932, 0.3999, 0.3910



Tritanopia

57.0307, 0.2314, 0.3052

Trichromacy



Original Color

57.4687, 0.2695, 0.4902



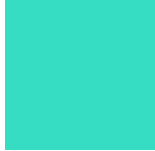
Protanomaly

52.2652, 0.3213, 0.4609



Deuteranomaly

51.3500, 0.3238, 0.4340



Tritanomaly

56.4202, 0.2421, 0.3674

Monochromacy



Original Color

57.4687, 0.2695, 0.4902



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

35.6880, 0.2757, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.4687, 0.2695, 0.4902 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 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, 229, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 123) }
```

Border

The CSS property to change the border of an element to Yxy 57.4687, 0.2695, 0.4902 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, 123) }
```

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

```
.border{ border-color:rgb(0, 229, 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, 229, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 57.4687, 0.2695, 0.4902 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, 123) }
```

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

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