

Converting Colors

$Y_{xy}(45.2773, 0.2754, 0.5116)$

Have a look what the booklet for
Yxy(45.2773, 0.2754, 0.5116)
contains.

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Color

Yxy(45.4887, 0.2757, 0.5125)

Conversions

Conversions Part 1

Format	Color
Hex	00CF61
RGB	0, 207, 97
RGB Percent	0%, 81%, 38%
CMY	0.9998, 0.1882, 0.6196
CMYK	1.00, 0.00, 0.53, 0.19
HSL	148°, 100%, 41%
HSV	148°, 100%, 81%
XYZ	24.4707, 45.4887, 18.7990
YIQ	132.5670, -88.0620, -78.0940

Conversions

Conversions Part 2

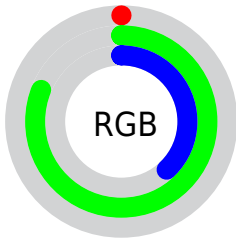
Format	Color
RYB	0, 141, 207
Decimal	53089
CIELab	73.21, -66.45, 42.45
CIELCh	73, 78.855, 147.431
Yxy	45.4887, 0.2757, 0.5125
Android (android.graphics.Color)	4278243169 (0xFF00CF61)
YUV	132.5670, -17.5345, -116.2613
Hunter-Lab	67.4453, -53.2654, 30.6858

Details

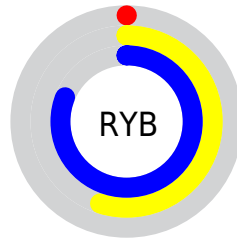
The Yxy color **45.4887, 0.2757, 0.5125** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **14.3936, 0.4840, 0.2440**, and the grayscale version is **23.3843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6056, 0.2846, 0.4653**, and **22.3305, 0.2877, 0.5558** is the 20% darker color. If you saturate the color by 10%, you get **45.4898, 0.2757, 0.5125**, and if you desaturate by 10%, it is **45.8666, 0.2726, 0.4937**.

Distribution



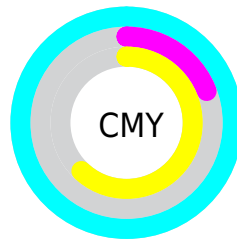
- Red (0%)
- Green (81%)
- Blue (38%)



- Red (0%)
- Yellow (55%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4887, 0.2757, 0.5125 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 45.4887, 0.2757, 0.5125 by changing the saturation by 10% instead.


 45.4887, 0.2757,
0.5125


 45.4887, 0.2757,
0.5125


368.7492, 0.2993,
0.4124


 31.8425, 0.2680,
0.5397


 83.4533, 0.2856,
0.4744


 21.2413, 0.2569,
0.5755


 108.5405, 0.2889,
0.4606

 13.3005, 0.2401,
0.6243


 138.2101, 0.2916,
0.4491

 7.6358, 0.2132,
0.6927

 172.8466, 0.2937,
0.4394

 3.8628, 0.1751,
0.8249

 212.8344, 0.2955,
0.4312

 1.5971, 0.0000,
1.0000

258.5578, 0.2970,


 0.3556, 0.0000,


0.4241


1.0000

310.4013, 0.2982,
0.4179


 0.0000, 0.0000,
0.0000


 45.4887, 0.2757,
0.5125


 45.4887, 0.2757,
0.5125


 45.4898, 0.2757,
0.5125

 45.8666, 0.2726,
0.4937

 46.4398, 0.2711,
0.4737

 47.2679, 0.2716,
0.4529

 48.3826, 0.2739,
0.4320

 49.8105, 0.2780,
0.4117

■ 51.5755, 0.2835,
0.3922

■ 53.6987, 0.2900,
0.3741

■ 56.1997, 0.2972,
0.3575

■ 59.0964, 0.3049,
0.3424

Harmonies

Analogous

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



45.4887, 0.3750, 0.5314



45.4887, 0.2757, 0.5125



45.4887, 0.1916, 0.4011

Triad

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



45.4887, 0.2757, 0.5125



45.4887, 0.1625, 0.1758



45.4887, 0.5138, 0.3273

Complementary

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



45.4887, 0.2757, 0.5125



14.3936, 0.4840, 0.2440

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.



45.4887, 0.4343, 0.2612



45.4887, 0.2757, 0.5125



45.4887, 0.2225, 0.1786

Square

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



45.4887, 0.2757, 0.5125



45.4887, 0.1375, 0.2055



45.4887, 0.3198, 0.2085



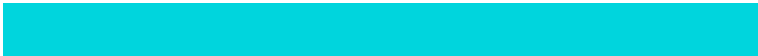
45.4887, 0.5203, 0.3999

Rectangle

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



45.4887, 0.2757, 0.5125



45.4887, 0.1562, 0.3158



45.4887, 0.3198, 0.2085



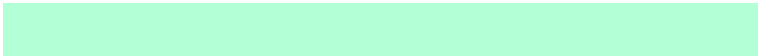
45.4887, 0.4946, 0.3044

Sweetspot

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



45.4905, 0.2757, 0.5125



85.9166, 0.2897, 0.3748



47.9694, 0.3408, 0.5676



18.0655, 0.2868, 0.3823



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.



45.4905, 0.2757, 0.5125



72.8631, 0.2763, 0.5146



48.8025, 0.2275, 0.3390



13.2971, 0.3053, 0.3416



28.6784, 0.2750, 0.5100



1.6195, 0.2653, 0.4749

Inverse Universe

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



14.3936, 0.4840, 0.2440



23.0244, 0.4865, 0.2454



13.2820, 0.6370, 0.3283



11.9118, 0.3209, 0.3167



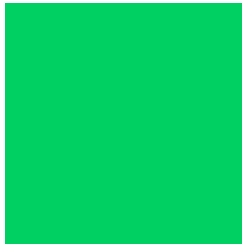
9.0867, 0.4812, 0.2425



0.5240, 0.4439, 0.2219

Previews

White Background



This preview shows how the Yxy color 45.4887, 0.2757, 0.5125 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 45.4887, 0.2757, 0.5125 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 45.4887, 0.2757, 0.5125

Background



This preview shows how black text looks on a background with the Yxy color 45.4887, 0.2757, 0.5125.

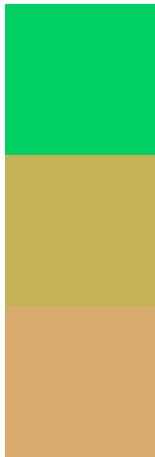


This preview shows how white text looks on a background with the Yxy color 45.4887, 0.2757, 0.5125.

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

45.4887, 0.2757, 0.5125

Protanopia

44.3992, 0.4046, 0.4417

Deuteranopia

44.4099, 0.4128, 0.4043



Tritanopia

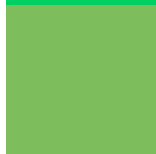
45.4388, 0.2327, 0.3058

Trichromacy



Original Color

45.4887, 0.2757, 0.5125



Protanomaly

41.5105, 0.3301, 0.4801



Deuteranomaly

40.1646, 0.3341, 0.4519



Tritanomaly

44.4529, 0.2449, 0.3749

Monochromacy



Original Color

45.4887, 0.2757, 0.5125



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

28.4290, 0.2801, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4887, 0.2757, 0.5125 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, 207, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 97)  
}
```

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, 207, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 97) }
```

Border

The CSS property to change the border of an element to Yxy 45.4887, 0.2757, 0.5125 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, 207, 97) }
```

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

```
.border{ border-color:rgb(0, 207, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 207, 97)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.4887, 0.2757, 0.5125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 97) }
```

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

```
.background{ background-color: rgb(0, 207,  
97) }
```

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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