

Converting Colors

$Y_{xy}(44.0506, 0.2750, 0.5101)$

Have a look what the booklet for
Yxy(44.0506, 0.2750, 0.5101)
contains.

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Color

Yxy(44.0488, 0.2750, 0.5101)

Conversions

Conversions Part 1

Format	Color
Hex	00CC61
RGB	0, 204, 97
RGB Percent	0%, 80%, 38%
CMY	1.0000, 0.2000, 0.6196
CMYK	1.00, 0.00, 0.52, 0.20
HSL	149°, 100%, 40%
HSV	149°, 100%, 80%
XYZ	23.7471, 44.0488, 18.5573
YIQ	130.8060, -87.2370, -76.5250

Conversions

Conversions Part 2

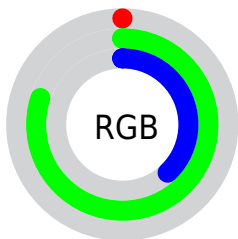
Format	Color
RYB	0, 138, 204
Decimal	52321
CIELab	72.26, -65.52, 41.29
CIELCh	72, 77.444, 147.783
Yxy	44.0488, 0.2750, 0.5101
Android (android.graphics.Color)	4278242401 (0xFF00CC61)
YUV	130.8060, -16.6664, -114.7169
Hunter-Lab	66.3693, -52.2783, 29.8806

Details

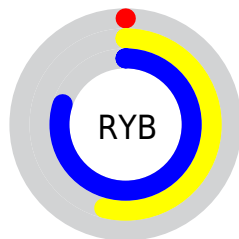
The Yxy color **44.0488, 0.2750, 0.5101** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.9004, 0.4869, 0.2456**, and the grayscale version is **22.7094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5468, 0.2842, 0.4655**, and **21.3771, 0.2872, 0.5540** is the 20% darker color. If you saturate the color by 10%, you get **44.0526, 0.2750, 0.5101**, and if you desaturate by 10%, it is **44.4188, 0.2720, 0.4915**.

Distribution



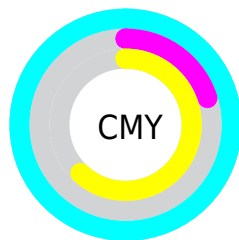
- Red (0%)
- Green (80%)
- Blue (38%)



- Red (0%)
- Yellow (54%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0488, 0.2750, 0.5101 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 44.0488, 0.2750, 0.5101 by changing the saturation by 10% instead.

 44.0488, 0.2750,
0.5101

 44.0488, 0.2750,
0.5101


362.9074, 0.2989,
0.4109


 30.7089, 0.2672,
0.5373


 81.2912, 0.2850,
0.4721


 20.3773, 0.2559,
0.5733


 105.9624, 0.2884,
0.4584


 12.6696, 0.2389,
0.6226


 135.1795, 0.2910,
0.4471

 7.2014, 0.2115,
0.6921

 169.3269, 0.2932,
0.4375

 3.5884, 0.1715,
0.8285

 208.7890, 0.2950,
0.4294

 1.4461, 0.0000,
1.0000


253.9502, 0.2965,


 0.2503, 0.0000,


0.4224


1.0000


305.1949, 0.2978,
0.4162

 0.0000, 0.0000,
0.0000

 44.0488, 0.2750,
0.5101


 44.0488, 0.2750,
0.5101


 44.0526, 0.2750,
0.5101

 44.4188, 0.2720,
0.4915

 44.9745, 0.2705,
0.4717

 45.7758, 0.2710,
0.4511

 46.8533, 0.2735,
0.4306

 48.2329, 0.2776,
0.4105

■ 49.9372, 0.2831,
0.3913

■ 51.9869, 0.2897,
0.3735

■ 54.4005, 0.2970,
0.3571

■ 57.1956, 0.3048,
0.3423

Harmonies

Analogous

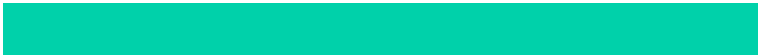
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0488, 0.3737, 0.5303



44.0488, 0.2750, 0.5101



44.0488, 0.1917, 0.3990

Triad

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



44.0488, 0.2750, 0.5101



44.0488, 0.1638, 0.1765



44.0488, 0.5129, 0.3284

Complementary

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



44.0488, 0.2750, 0.5101



13.9004, 0.4869, 0.2456

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.



44.0488, 0.4347, 0.2624



44.0488, 0.2750, 0.5101



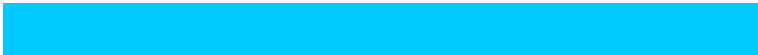
44.0488, 0.2240, 0.1796

Square

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



44.0488, 0.2750, 0.5101



44.0488, 0.1385, 0.2057



44.0488, 0.3211, 0.2097



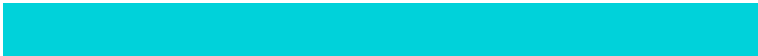
44.0488, 0.5188, 0.4007

Rectangle

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



44.0488, 0.2750, 0.5101



44.0488, 0.1567, 0.3147



44.0488, 0.3211, 0.2097



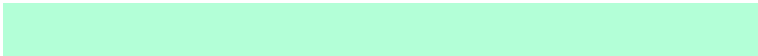
44.0488, 0.4941, 0.3055

Sweetspot

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



44.0526, 0.2750, 0.5101



85.9439, 0.2894, 0.3741



46.4285, 0.3408, 0.5676



18.0720, 0.2865, 0.3816



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.



44.0526, 0.2750, 0.5101



72.9063, 0.2757, 0.5123



47.2304, 0.2275, 0.3390



12.6243, 0.3052, 0.3414



27.7433, 0.2743, 0.5075



1.4465, 0.2640, 0.4704

Inverse Universe

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



13.9004, 0.4869, 0.2456



22.9747, 0.4895, 0.2470



12.8534, 0.6370, 0.3283



11.3103, 0.3209, 0.3169



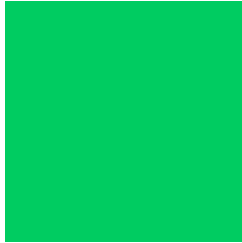
8.7673, 0.4839, 0.2439



0.4676, 0.4436, 0.2217

Previews

White Background



This preview shows how the Yxy color 44.0488, 0.2750, 0.5101 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 44.0488, 0.2750, 0.5101 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 44.0488, 0.2750, 0.5101

Background



This preview shows how black text looks on a background with the Yxy color 44.0488, 0.2750, 0.5101.



This preview shows how white text looks on a background with the Yxy color 44.0488, 0.2750, 0.5101.

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

44.0488, 0.2750, 0.5101

Protanopia

43.2246, 0.4024, 0.4399

Deuteranopia

43.1920, 0.4121, 0.4041



Tritanopia

43.9156, 0.2327, 0.3055

Trichromacy



Original Color

44.0488, 0.2750, 0.5101



Protanomaly

40.0841, 0.3292, 0.4779



Deuteranomaly

39.2613, 0.3338, 0.4499



Tritanomaly

42.9851, 0.2446, 0.3739

Monochromacy



Original Color

44.0488, 0.2750, 0.5101



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.6246, 0.2791, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0488, 0.2750, 0.5101 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, 204, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 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, 204, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 97) }
```

Border

The CSS property to change the border of an element to Yxy 44.0488, 0.2750, 0.5101 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, 204, 97) }
```

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

```
.border{ border-color:rgb(0, 204, 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, 204, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 97)  
}
```


Background

The CSS property to change the background color of an element to Yxy 44.0488, 0.2750, 0.5101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 97) }
```

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

```
.background{ background-color: rgb(0, 204,  
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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