

Converting Colors

$Y_{xy}(44.4258, 0.2695, 0.4900)$

Have a look what the booklet for
Yxy(44.4258, 0.2695, 0.4900)
contains.

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Color

Yxy(44.2963, 0.2695, 0.4900)

Conversions

Conversions Part 1

Format	Color
Hex	01CC6D
RGB	1, 204, 109
RGB Percent	0%, 80%, 43%
CMY	0.9977, 0.2000, 0.5724
CMYK	1.00, 0.00, 0.47, 0.20
HSL	152°, 99%, 40%
HSV	152°, 100%, 80%
XYZ	24.3630, 44.2963, 21.7413
YIQ	132.4730, -90.4930, -72.5810

Conversions

Conversions Part 2

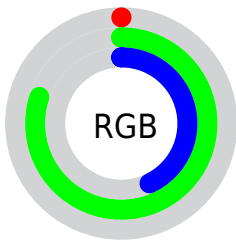
Format	Color
RYB	1, 134, 204
Decimal	117869
CIELab	72.43, -63.53, 35.56
CIELCh	72, 72.808, 150.763
Yxy	44.2963, 0.2695, 0.4900
Android (android.graphics.Color)	4278307949 (0xFF01CC6D)
YUV	132.4730, -11.5722, -115.3018
Hunter-Lab	66.5555, -51.1312, 27.2209

Details

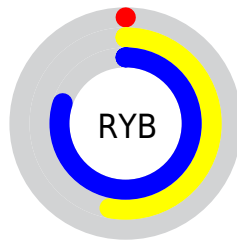
The Yxy color **44.2963, 0.2695, 0.4900** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.6882, 0.5107, 0.2589**, and the grayscale version is **23.2781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9534, 0.2789, 0.4494**, and **21.4956, 0.2805, 0.5299** is the 20% darker color. If you saturate the color by 10%, you get **44.2882, 0.2696, 0.4905**, and if you desaturate by 10%, it is **44.6701, 0.2668, 0.4728**.

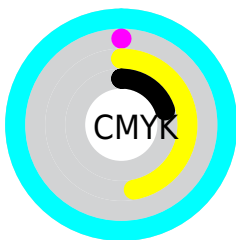
Distribution



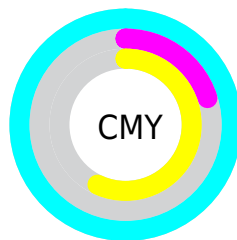
- Red (0%)
- Green (80%)
- Blue (43%)



- Red (0%)
- Yellow (53%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2963, 0.2695, 0.4900 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 44.2963, 0.2695, 0.4900 by changing the saturation by 10% instead.


 44.2963, 0.2695,
0.4900

 44.2963, 0.2695,
0.4900


363.9160, 0.2951,
0.4021


 30.9035, 0.2617,
0.5142


 81.6634, 0.2798,
0.4563


 20.5254, 0.2508,
0.5464


 106.4065, 0.2834,
0.4442


 12.7775, 0.2348,
0.5909


 135.7019, 0.2863,
0.4342

 7.2755, 0.2097,
0.6553

 169.9339, 0.2886,
0.4257

 3.6350, 0.1735,
0.7799

 209.4869, 0.2906,
0.4185

 1.4716, 0.0000,
1.0000


254.7453, 0.2923,

 0.2686, 0.0000,


0.4123

1.0000


306.0936, 0.2938,
0.4068


 0.0000, 0.0000,
0.0000


 44.2963, 0.2695,
0.4900


 44.2963, 0.2695,
0.4900


 44.2882, 0.2696,
0.4905

 44.6701, 0.2668,
0.4728

 45.2298, 0.2657,
0.4548

 46.0307, 0.2667,
0.4365

 47.1030, 0.2697,
0.4182

 48.4721, 0.2743,
0.4005

■ 50.1605, 0.2804,
0.3837

■ 52.1882, 0.2877,
0.3680

■ 54.5738, 0.2957,
0.3535

■ 57.3344, 0.3042,
0.3404

Harmonies

Analogous

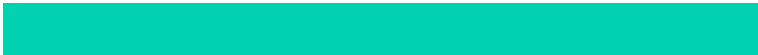
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.2963, 0.3634, 0.5204



44.2963, 0.2695, 0.4900



44.2963, 0.1926, 0.3827

Triad

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



44.2963, 0.2695, 0.4900



44.2963, 0.1751, 0.1828



44.2963, 0.5050, 0.3368

Complementary

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



44.2963, 0.2695, 0.4900



13.6882, 0.5107, 0.2589

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.



44.2963, 0.4371, 0.2722



44.2963, 0.2695, 0.4900



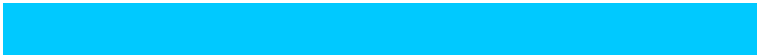
44.2963, 0.2367, 0.1883

Square

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



44.2963, 0.2695, 0.4900



44.2963, 0.1475, 0.2081



44.2963, 0.3316, 0.2197



44.2963, 0.5053, 0.4068

Rectangle

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



44.2963, 0.2695, 0.4900



44.2963, 0.1612, 0.3060



44.2963, 0.3316, 0.2197



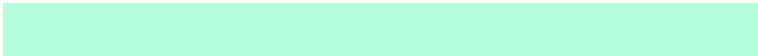
44.2963, 0.4893, 0.3144

Sweetspot

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



44.2981, 0.2695, 0.4900



86.1735, 0.2871, 0.3690



45.8385, 0.3341, 0.5728



18.1262, 0.2840, 0.3756



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.



44.2981, 0.2695, 0.4900



73.2956, 0.2702, 0.4926



45.9591, 0.2233, 0.3237



12.6353, 0.3045, 0.3400



27.8921, 0.2689, 0.4881



1.4542, 0.2595, 0.4541

Inverse Universe

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



13.6882, 0.5107, 0.2589



22.5935, 0.5144, 0.2607



12.9263, 0.6385, 0.3308



11.2994, 0.3218, 0.3182



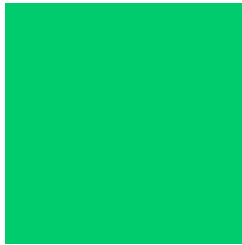
8.6214, 0.5081, 0.2573



0.4601, 0.4621, 0.2319

Previews

White Background



This preview shows how the Yxy color 44.2963, 0.2695, 0.4900 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 44.2963, 0.2695, 0.4900 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 44.2963, 0.2695, 0.4900

Background



This preview shows how black text looks on a background with the Yxy color 44.2963, 0.2695, 0.4900.



This preview shows how white text looks on a background with the Yxy color 44.2963, 0.2695, 0.4900.

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

44.2963, 0.2695, 0.4900

Protanopia

43.4209, 0.3943, 0.4277

Deuteranopia

43.1622, 0.3996, 0.3908



Tritanopia

44.2718, 0.2324, 0.3069

Trichromacy



Original Color

44.2963, 0.2695, 0.4900



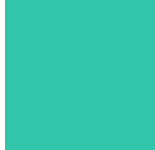
Protanomaly

40.3822, 0.3224, 0.4597



Deuteranomaly

39.3539, 0.3234, 0.4321



Tritanomaly

43.5640, 0.2427, 0.3687

Monochromacy



Original Color

44.2963, 0.2695, 0.4900



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.7938, 0.2760, 0.3930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2963, 0.2695, 0.4900 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(1, 204, 109)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 109)  
}
```

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(1, 204, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 109) }
```

Border

The CSS property to change the border of an element to Yxy 44.2963, 0.2695, 0.4900 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(1, 204, 109) }
```

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

```
.border{ border-color:rgb(1, 204, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 109);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2963, 0.2695, 0.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 109) }
```

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

```
.background{ background-color: rgb(1, 204,  
109) }
```

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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