

Converting Colors

$Y_{xy}(45.5055, 0.2703, 0.4931)$

Have a look what the booklet for
Yxy(45.5055, 0.2703, 0.4931)
contains.

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Color

Yxy(45.7298, 0.2703, 0.4929)

Conversions

Conversions Part 1

Format	Color
Hex	01CF6D
RGB	1, 207, 109
RGB Percent	0%, 81%, 43%
CMY	0.9978, 0.1882, 0.5726
CMYK	1.00, 0.00, 0.47, 0.19
HSL	152°, 99%, 41%
HSV	152°, 100%, 81%
XYZ	25.0776, 45.7298, 21.9696
YIQ	134.2340, -91.3180, -74.1500

Conversions

Conversions Part 2

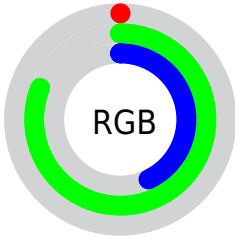
Format	Color
RYB	1, 136, 207
Decimal	118637
CIELab	73.37, -64.52, 36.78
CIELCh	73, 74.271, 150.316
Yxy	45.7298, 0.2703, 0.4929
Android (android.graphics.Color)	4278308717 (0xFF01CF6D)
YUV	134.2340, -12.4404, -116.8462
Hunter-Lab	67.6238, -52.1467, 28.0746

Details

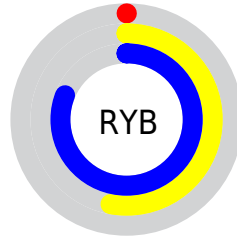
The Yxy color **45.7298, 0.2703, 0.4929** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **14.1693, 0.5077, 0.2572**, and the grayscale version is **23.9489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0122, 0.2793, 0.4493**, and **22.4490, 0.2813, 0.5326** is the 20% darker color. If you saturate the color by 10%, you get **45.7225, 0.2704, 0.4934**, and if you desaturate by 10%, it is **46.1139, 0.2675, 0.4755**.

Distribution



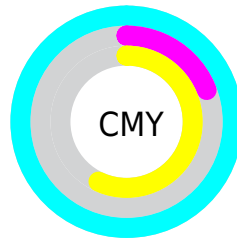
- Red (0%)
- Green (81%)
- Blue (43%)



- Red (0%)
- Yellow (53%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7298, 0.2703, 0.4929 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 45.7298, 0.2703, 0.4929 by changing the saturation by 10% instead.


 45.7298, 0.2703,
0.4929


 45.7298, 0.2703,
0.4929


369.7213, 0.2955,
0.4038

 32.0327, 0.2626,
0.5172


 83.8145, 0.2805,
0.4589

 21.3864, 0.2519,
0.5495


 108.9708, 0.2840,
0.4466

 13.4068, 0.2361,
0.5939


 138.7156, 0.2868,
0.4364

 7.7092, 0.2114,
0.6575

 173.4334, 0.2892,
0.4278

 3.9095, 0.1755,
0.7757

 213.5084, 0.2911,
0.4205

 1.6230, 0.0000,
1.0000

259.3251, 0.2928,

 0.3731, 0.0000,

0.4142

1.0000

311.2680, 0.2943,
0.4086

■ 0.0000, 0.0000,
0.0000

■ 45.7298, 0.2703,
0.4929

■ 45.7298, 0.2703,
0.4929

■ 45.7225, 0.2704,
0.4934

■ 46.1139, 0.2675,
0.4755

■ 46.6909, 0.2664,
0.4572

■ 47.5181, 0.2673,
0.4386

■ 48.6266, 0.2702,
0.4200

■ 50.0430, 0.2747,
0.4019

■ 51.7905, 0.2808,
0.3847

■ 53.8901, 0.2879,
0.3687

■ 56.3609, 0.2958,
0.3540

■ 59.2207, 0.3043,
0.3407

Harmonies

Analogous

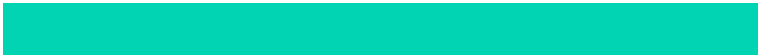
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.7298, 0.3649, 0.5220



45.7298, 0.2703, 0.4929



45.7298, 0.1925, 0.3850

Triad

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



45.7298, 0.2703, 0.4929



45.7298, 0.1734, 0.1819



45.7298, 0.5062, 0.3355

Complementary

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



45.7298, 0.2703, 0.4929



14.1693, 0.5077, 0.2572

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.



45.7298, 0.4368, 0.2708



45.7298, 0.2703, 0.4929



45.7298, 0.2348, 0.1870

Square

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



45.7298, 0.2703, 0.4929



45.7298, 0.1461, 0.2078



45.7298, 0.3301, 0.2182



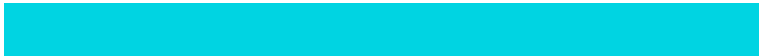
45.7298, 0.5073, 0.4059

Rectangle

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



45.7298, 0.2703, 0.4929



45.7298, 0.1605, 0.3073



45.7298, 0.3301, 0.2182



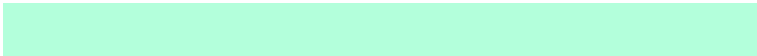
45.7298, 0.4900, 0.3131

Sweetspot

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



45.7316, 0.2703, 0.4929



86.1420, 0.2874, 0.3697



47.3537, 0.3340, 0.5729



18.1188, 0.2843, 0.3764



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.



45.7316, 0.2703, 0.4929



73.2397, 0.2709, 0.4953



47.4834, 0.2233, 0.3237



13.3085, 0.3045, 0.3403



28.8274, 0.2697, 0.4910



1.6278, 0.2607, 0.4586

Inverse Universe

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



14.1693, 0.5077, 0.2572



22.6418, 0.5110, 0.2589



13.3528, 0.6386, 0.3308



11.9004, 0.3217, 0.3180



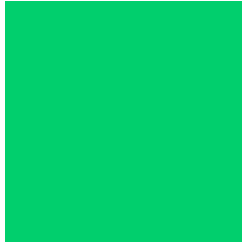
8.9355, 0.5051, 0.2556



0.5156, 0.4625, 0.2322

Previews

White Background



This preview shows how the Yxy color 45.7298, 0.2703, 0.4929 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 45.7298, 0.2703, 0.4929 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 45.7298, 0.2703, 0.4929

Background



This preview shows how black text looks on a background with the Yxy color 45.7298, 0.2703, 0.4929.



This preview shows how white text looks on a background with the Yxy color 45.7298, 0.2703, 0.4929.

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

45.7362, 0.2703, 0.4929

Protanopia

44.8768, 0.3944, 0.4302

Deuteranopia

44.8809, 0.4018, 0.3933



Tritanopia

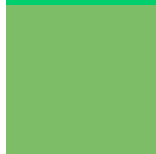
45.8027, 0.2323, 0.3072

Trichromacy



Original Color

45.7362, 0.2703, 0.4929



Protanomaly

41.7344, 0.3227, 0.4627



Deuteranomaly

40.8371, 0.3254, 0.4350



Tritanomaly

45.0427, 0.2430, 0.3697

Monochromacy



Original Color

45.7362, 0.2703, 0.4929



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.9017, 0.2766, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7298, 0.2703, 0.4929 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, 207, 109)` looks like.

```
.text, #text, p{  
    color:rgb(1, 207, 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, 207, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 207, 109) }
```

Border

The CSS property to change the border of an element to Yxy 45.7298, 0.2703, 0.4929 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, 207, 109) }
```

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

```
.border{ border-color:rgb(1, 207, 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, 207, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 207, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 207, 109);  
box-shadow:4px 4px 4px 4px rgb(1, 207,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7298, 0.2703, 0.4929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 207, 109) }
```

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

```
.background{ background-color: rgb(1, 207,  
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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