

Converting Colors

$Y_{xy}(49.3552, 0.2726, 0.5012)$

Have a look what the booklet for
Yxy(49.3552, 0.2726, 0.5012)
contains.

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Color

Yxy(49.1823, 0.2725, 0.5007)

Conversions

Conversions Part 1

Format	Color
Hex	01D66C
RGB	1, 214, 108
RGB Percent	0%, 84%, 42%
CMY	0.9961, 0.1608, 0.5763
CMYK	1.00, 0.00, 0.50, 0.16
HSL	150°, 99%, 42%
HSV	150°, 100%, 84%
XYZ	26.7669, 49.1823, 22.2779
YIQ	138.2290, -92.9220, -78.1220

Conversions

Conversions Part 2

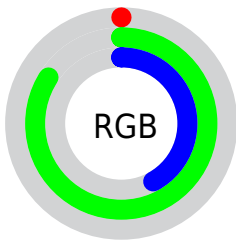
Format	Color
RYB	1, 143, 214
Decimal	120428
CIELab	75.56, -66.94, 40.02
CIELCh	76, 77.990, 149.128
Yxy	49.1823, 0.2725, 0.5007
Android (android.graphics.Color)	4278310508 (0xFF01D66C)
YUV	138.2290, -14.9029, -120.3498
Hunter-Lab	70.1301, -54.5987, 30.2567

Details

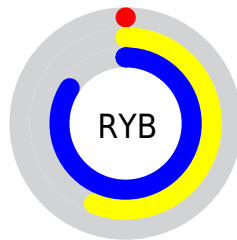
The Yxy color **49.1823, 0.2725, 0.5007** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.3786, 0.4980, 0.2520**, and the grayscale version is **25.5926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0965, 0.2805, 0.4504**, and **24.7491, 0.2838, 0.5418** is the 20% darker color. If you saturate the color by 10%, you get **49.1675, 0.2726, 0.5015**, and if you desaturate by 10%, it is **49.5937, 0.2695, 0.4826**.

Distribution



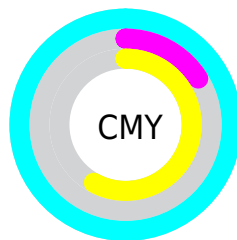
- Red (0%)
- Green (84%)
- Blue (42%)



- Red (0%)
- Yellow (56%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1823, 0.2725, 0.5007 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 49.1823, 0.2725, 0.5007 by changing the saturation by 10% instead.

 49.1823, 0.2725,
0.5007


 49.1823, 0.2725,
0.5007


383.4596, 0.2968,
0.4083


 34.7641, 0.2650,
0.5255


 88.9621, 0.2824,
0.4658


 23.4812, 0.2546,
0.5580


 115.0926, 0.2857,
0.4530


 14.9492, 0.2393,
0.6022


 145.8959, 0.2885,
0.4424

 8.7838, 0.2155,
0.6643

 181.7565, 0.2907,
0.4335

 4.6004, 0.1803,
0.7721

 223.0588, 0.2926,
0.4258

 2.0148, 0.0018,
0.9982

270.1871, 0.2942,


 0.6160, 0.0000,


0.4192


1.0000


323.5259, 0.2956,
0.4134


 0.0000, 0.0000,
0.0000


 49.1823, 0.2725,
0.5007


 49.1823, 0.2725,
0.5007

 49.1675, 0.2726,
0.5015

 49.5937, 0.2695,
0.4826

 50.2189, 0.2683,
0.4636

 51.1173, 0.2690,
0.4440

 52.3229, 0.2717,
0.4245

 53.8644, 0.2761,
0.4054

■ 55.7672, 0.2820,
0.3873

■ 58.0541, 0.2889,
0.3705

■ 60.7459, 0.2966,
0.3550

■ 63.8619, 0.3047,
0.3410

Harmonies

Analogous

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



49.1823, 0.3690, 0.5258



49.1823, 0.2725, 0.5007



49.1823, 0.1922, 0.3913

Triad

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



49.1823, 0.2725, 0.5007



49.1823, 0.1690, 0.1795



49.1823, 0.5092, 0.3323

Complementary

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



49.1823, 0.2725, 0.5007



15.3786, 0.4980, 0.2520

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.



49.1823, 0.4358, 0.2669



49.1823, 0.2725, 0.5007



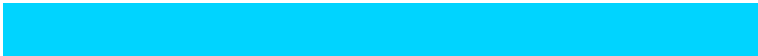
49.1823, 0.2299, 0.1836

Square

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



49.1823, 0.2725, 0.5007



49.1823, 0.1427, 0.2069



49.1823, 0.3260, 0.2144



49.1823, 0.5125, 0.4036

Rectangle

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



49.1823, 0.2725, 0.5007



49.1823, 0.1588, 0.3106



49.1823, 0.3260, 0.2144



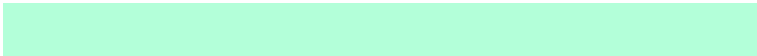
49.1823, 0.4918, 0.3097

Sweetspot

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



49.1843, 0.2725, 0.5007



86.0510, 0.2883, 0.3717



51.2533, 0.3362, 0.5710



18.0972, 0.2853, 0.3788



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.



49.1843, 0.2725, 0.5007



73.0823, 0.2731, 0.5032



52.9561, 0.2247, 0.3287



13.9991, 0.3048, 0.3408



29.7387, 0.2719, 0.4989



1.8104, 0.2632, 0.4674

Inverse Universe

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



15.3786, 0.4980, 0.2520



22.7886, 0.5012, 0.2535



14.3201, 0.6394, 0.3300



12.5228, 0.3214, 0.3175



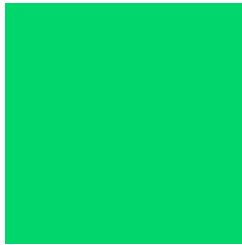
9.2969, 0.4958, 0.2505



0.5775, 0.4575, 0.2294

Previews

White Background



This preview shows how the Yxy color 49.1823, 0.2725, 0.5007 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 49.1823, 0.2725, 0.5007 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 49.1823, 0.2725, 0.5007

Background



This preview shows how black text looks on a background with the Yxy color 49.1823, 0.2725, 0.5007.



This preview shows how white text looks on a background with the Yxy color 49.1823, 0.2725, 0.5007.

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

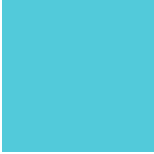
49.1823, 0.2725, 0.5007

Protanopia

48.2763, 0.3980, 0.4349

Deuteranopia

47.8646, 0.4064, 0.3981



Tritanopia

49.0969, 0.2326, 0.3065

Trichromacy



Original Color

49.1823, 0.2725, 0.5007



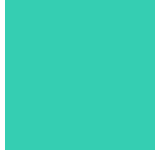
Protanomaly

45.1850, 0.3259, 0.4698



Deuteranomaly

43.7926, 0.3292, 0.4421



Tritanomaly

48.1138, 0.2440, 0.3717

Monochromacy



Original Color

49.1823, 0.2725, 0.5007



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

30.8794, 0.2781, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1823, 0.2725, 0.5007 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, 214, 108)` looks like.

```
.text, #text, p{  
    color:rgb(1, 214, 108)  
}
```

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, 214, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 214, 108) }
```

Border

The CSS property to change the border of an element to Yxy 49.1823, 0.2725, 0.5007 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, 214, 108) }
```

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

```
.border{ border-color:rgb(1, 214, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 214, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 214, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 214, 108);  
box-shadow:4px 4px 4px 4px rgb(1, 214,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1823, 0.2725, 0.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 214, 108) }
```

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

```
.background{ background-color: rgb(1, 214,  
108) }
```

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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