

Converting Colors

$Y_{xy}(49.8215, 0.2908, 0.5668)$

Have a look what the booklet for
Yxy(49.8215, 0.2908, 0.5668)
contains.

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Color

Yxy(49.9520, 0.2907, 0.5667)

Conversions

Conversions Part 1

Format	Color
Hex	00D93C
RGB	0, 217, 60
RGB Percent	0%, 85%, 24%
CMY	1.0000, 0.1490, 0.7646
CMYK	1.00, 0.00, 0.72, 0.15
HSL	137°, 100%, 43%
HSV	137°, 100%, 85%
XYZ	25.6239, 49.9520, 12.5695
YIQ	134.2190, -78.9350, -94.8310

Conversions

Conversions Part 2

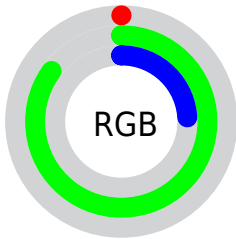
Format	Color
RYB	0, 170, 217
Decimal	55612
CIELab	76.04, -73.72, 61.31
CIELCh	76, 95.881, 140.253
Yxy	49.9520, 0.2907, 0.5667
Android (android.graphics.Color)	4278245692 (0xFF00D93C)
YUV	134.2190, -36.5900, -117.7101
Hunter-Lab	70.6767, -58.9690, 38.9293

Details

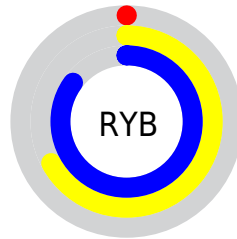
The Yxy color **49.9520, 0.2907, 0.5667** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **17.1869, 0.4070, 0.2016**, and the grayscale version is **24.0877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9068, 0.3005, 0.5071**, and **25.1416, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **49.9576, 0.2907, 0.5667**, and if you desaturate by 10%, it is **50.3163, 0.2878, 0.5478**.

Distribution



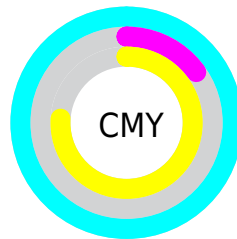
- Red (0%)
- Green (85%)
- Blue (24%)



- Red (0%)
- Yellow (67%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (72%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9520, 0.2907, 0.5667 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 49.9520, 0.2907, 0.5667 by changing the saturation by 10% instead.


 49.9520, 0.2907,
0.5667

 49.9520, 0.2907,
0.5667


386.4782, 0.3108,
0.4397

 35.3753, 0.2823,
0.5990


 90.1038, 0.3005,
0.5196


 23.9521, 0.2697,
0.6398


 116.4476, 0.3034,
0.5021


 15.2981, 0.2498,
0.6916


 147.4825, 0.3056,
0.4874

 9.0289, 0.2222,
0.7728

 183.5930, 0.3072,
0.4749

 4.7600, 0.1655,
0.8345

 225.1634, 0.3085,
0.4642

 2.1071, 0.0000,
1.0000


272.5782, 0.3094,


 0.6686, 0.0000,


0.4550

1.0000


326.2216, 0.3102,
0.4469


 0.0000, 0.0000,
0.0000


 49.9520, 0.2907,
0.5667


 49.9520, 0.2907,
0.5667


 49.9576, 0.2907,
0.5667

 50.3163, 0.2878,
0.5478

 50.9161, 0.2859,
0.5248

 51.8225, 0.2856,
0.4989

 53.0735, 0.2868,
0.4714

 54.7010, 0.2894,
0.4436

■ 56.7336, 0.2931,
0.4167

■ 59.1966, 0.2975,
0.3914

■ 62.1136, 0.3024,
0.3683

■ 65.5062, 0.3075,
0.3475

Harmonies

Analogous

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



49.9520, 0.4019, 0.5495



49.9520, 0.2907, 0.5667



49.9520, 0.1903, 0.4529

Triad

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



49.9520, 0.2907, 0.5667



49.9520, 0.1339, 0.1597



49.9520, 0.5328, 0.3037

Complementary

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



49.9520, 0.2907, 0.5667



17.1869, 0.4070, 0.2016

Split Complementary

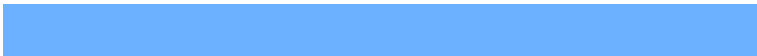
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.9520, 0.4233, 0.2346



49.9520, 0.2907, 0.5667



49.9520, 0.1891, 0.1563

Square

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



49.9520, 0.2907, 0.5667



49.9520, 0.1150, 0.2002



49.9520, 0.2889, 0.1823



49.9520, 0.5562, 0.3803

Rectangle

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



49.9520, 0.2907, 0.5667



49.9520, 0.1451, 0.3448



49.9520, 0.2889, 0.1823



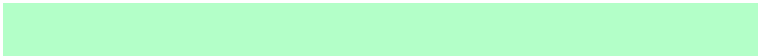
49.9520, 0.5040, 0.2796

Sweetspot

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



49.9576, 0.2907, 0.5667



85.1986, 0.2974, 0.3921



57.0164, 0.3724, 0.5425



17.8977, 0.2954, 0.4026



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.



49.9576, 0.2907, 0.5667



71.9690, 0.2911, 0.5681



52.3980, 0.2463, 0.4067



14.6651, 0.3078, 0.3464



30.2539, 0.2901, 0.5642



1.9745, 0.2810, 0.5315

Inverse Universe

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



17.1869, 0.4070, 0.2016



24.7401, 0.4079, 0.2021



14.9891, 0.6005, 0.3082



13.2102, 0.3180, 0.3122



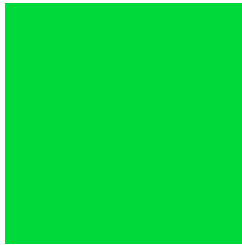
10.4217, 0.4054, 0.2007



0.6895, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 49.9520, 0.2907, 0.5667 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 49.9520, 0.2907, 0.5667 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 49.9520, 0.2907, 0.5667

Background



This preview shows how black text looks on a background with the Yxy color 49.9520, 0.2907, 0.5667.

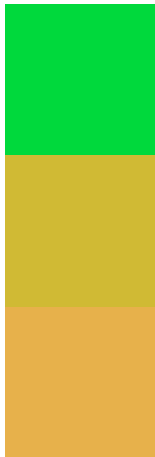


This preview shows how white text looks on a background with the Yxy color 49.9520, 0.2907, 0.5667.

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

49.9520, 0.2907, 0.5667

Protanopia

48.7756, 0.4278, 0.4722

Deuteranopia

48.9412, 0.4445, 0.4356



Tritanopia

49.9502, 0.2349, 0.3067

Trichromacy



Original Color

49.9520, 0.2907, 0.5667



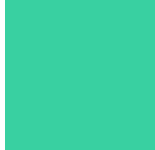
Protanomaly

45.1139, 0.3508, 0.5245



Deuteranomaly

44.3445, 0.3594, 0.4983



Tritanomaly

48.5548, 0.2541, 0.4023

Monochromacy



Original Color

49.9520, 0.2907, 0.5667



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

29.5438, 0.2902, 0.4358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9520, 0.2907, 0.5667 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, 217, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 60)  
}
```

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, 217, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 60) }
```

Border

The CSS property to change the border of an element to Yxy 49.9520, 0.2907, 0.5667 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, 217, 60) }
```

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

```
.border{ border-color:rgb(0, 217, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 217, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 49.9520, 0.2907, 0.5667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 60) }
```

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

```
.background{ background-color: rgb(0, 217,  
60) }
```

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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