

Converting Colors

$Yxy(48.6667, 0.2866, 0.5518)$

Have a look what the booklet for
Yxy(48.6667, 0.2866, 0.5518)
contains.

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Color

Yxy(48.5610, 0.2867, 0.5521)

Conversions

Conversions Part 1

Format	Color
Hex	00D648
RGB	0, 214, 72
RGB Percent	0%, 84%, 28%
CMY	0.9998, 0.1608, 0.7175
CMYK	1.00, 0.00, 0.66, 0.16
HSL	140°, 100%, 42%
HSV	140°, 100%, 84%
XYZ	25.2172, 48.5610, 14.1787
YIQ	133.8260, -81.9620, -89.5300

Conversions

Conversions Part 2

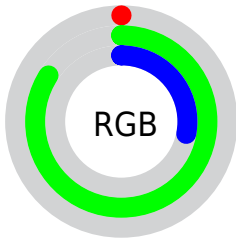
Format	Color
RYB	0, 160, 214
Decimal	54856
CIELab	75.18, -71.72, 55.83
CIELCh	75, 90.890, 142.102
Yxy	48.5610, 0.2867, 0.5521
Android (android.graphics.Color)	4278244936 (0xFF00D648)
YUV	133.8260, -30.4802, -117.3654
Hunter-Lab	69.6857, -57.3560, 36.7165

Details

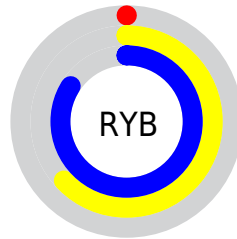
The Yxy color **48.5610, 0.2867, 0.5521** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.2515, 0.4298, 0.2141**, and the grayscale version is **23.9170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0905, 0.2960, 0.4954**, and **24.1249, 0.2993, 0.5976** is the 20% darker color. If you saturate the color by 10%, you get **48.5622, 0.2867, 0.5521**, and if you desaturate by 10%, it is **48.9344, 0.2835, 0.5324**.

Distribution



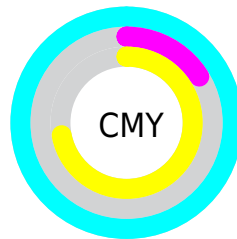
- Red (0%)
- Green (84%)
- Blue (28%)



- Red (0%)
- Yellow (63%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5610, 0.2867, 0.5521 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 48.5610, 0.2867, 0.5521 by changing the saturation by 10% instead.


 48.5610, 0.2867,
0.5521


 48.5610, 0.2867,
0.5521


381.0115, 0.3075,
0.4320


 34.2714, 0.2786,
0.5834


 88.0391, 0.2963,
0.5071


 23.1021, 0.2666,
0.6235


 113.9963, 0.2993,
0.4905


 14.6690, 0.2477,
0.6755


 144.6116, 0.3016,
0.4767

 8.5874, 0.2194,
0.7511

 180.2692, 0.3034,
0.4649

 4.4730, 0.1675,
0.8325

 221.3536, 0.3047,
0.4549

 1.9415, 0.0000,
1.0000

268.2492, 0.3059,

 0.5732, 0.0000,

0.4462

1.0000

321.3404, 0.3068,
0.4386

■ 0.0000, 0.0000,
0.0000

■ 48.5610, 0.2867,
0.5521

■ 48.5610, 0.2867,
0.5521

■ 48.5622, 0.2867,
0.5521

■ 48.9344, 0.2835,
0.5324

■ 49.5332, 0.2815,
0.5097

■ 50.4222, 0.2813,
0.4850

■ 51.6369, 0.2829,
0.4592

■ 53.2076, 0.2859,
0.4336

■ 55.1611, 0.2901,
0.4090

■ 57.5213, 0.2952,
0.3859

■ 60.3105, 0.3008,
0.3648

■ 63.5488, 0.3067,
0.3459

Harmonies

Analogous

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



48.5610, 0.3948, 0.5458



48.5610, 0.2867, 0.5521



48.5610, 0.1906, 0.4377

Triad

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



48.5610, 0.2867, 0.5521



48.5610, 0.1415, 0.1640



48.5610, 0.5279, 0.3102

Complementary

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



48.5610, 0.2867, 0.5521



16.2515, 0.4298, 0.2141

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.



48.5610, 0.4269, 0.2419



48.5610, 0.2867, 0.5521



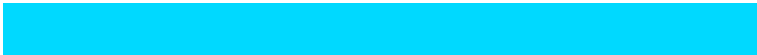
48.5610, 0.1980, 0.1622

Square

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



48.5610, 0.2867, 0.5521



48.5610, 0.1209, 0.2015



48.5610, 0.2976, 0.1893



48.5610, 0.5465, 0.3860

Rectangle

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



48.5610, 0.2867, 0.5521



48.5610, 0.1481, 0.3361



48.5610, 0.2976, 0.1893



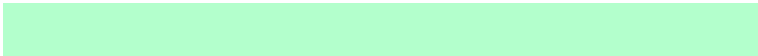
48.5610, 0.5019, 0.2865

Sweetspot

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



48.5630, 0.2867, 0.5521



85.4152, 0.2950, 0.3867



53.9062, 0.3613, 0.5513



17.9480, 0.2927, 0.3963



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.



48.5630, 0.2867, 0.5521



72.1884, 0.2872, 0.5539



51.3230, 0.2398, 0.3831



13.9642, 0.3070, 0.3449



29.3694, 0.2860, 0.5495



1.7866, 0.2761, 0.5138

Inverse Universe

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



16.2515, 0.4298, 0.2141



24.1327, 0.4312, 0.2149



14.4232, 0.6175, 0.3175



12.5584, 0.3189, 0.3136



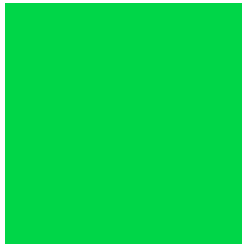
9.8418, 0.4278, 0.2130



0.6087, 0.4048, 0.2003

Previews

White Background



This preview shows how the Yxy color 48.5610, 0.2867, 0.5521 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 48.5610, 0.2867, 0.5521 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 48.5610, 0.2867, 0.5521

Background



This preview shows how black text looks on a background with the Yxy color 48.5610, 0.2867, 0.5521.



This preview shows how white text looks on a background with the Yxy color 48.5610, 0.2867, 0.5521.

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

48.5610, 0.2867, 0.5521

Protanopia

47.6303, 0.4213, 0.4641

Deuteranopia

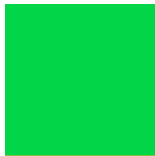
47.6467, 0.4362, 0.4272



Tritanopia

48.2927, 0.2346, 0.3064

Trichromacy



Original Color

48.5610, 0.2867, 0.5521



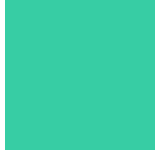
Protanomaly

44.1813, 0.3450, 0.5126



Deuteranomaly

42.9037, 0.3528, 0.4860



Tritanomaly

47.1552, 0.2511, 0.3933

Monochromacy



Original Color

48.5610, 0.2867, 0.5521



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

29.2734, 0.2872, 0.4265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5610, 0.2867, 0.5521 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, 214, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 72)  
}
```

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, 214, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 72) }
```

Border

The CSS property to change the border of an element to Yxy 48.5610, 0.2867, 0.5521 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, 214, 72) }
```

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

```
.border{ border-color:rgb(0, 214, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 48.5610, 0.2867, 0.5521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 72) }
```

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

```
.background{ background-color: rgb(0, 214,  
72) }
```

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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