

Converting Colors

Yxy(48.7632, 0.2818, 0.5344)

Have a look what the booklet for
Yxy(48.7632, 0.2818, 0.5344)
contains.

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Color

Yxy(48.7650, 0.2816, 0.5338)

Conversions

Conversions Part 1

Format	Color
Hex	00D656
RGB	0, 214, 86
RGB Percent	0%, 84%, 34%
CMY	1.0000, 0.1608, 0.6627
CMYK	1.00, 0.00, 0.60, 0.16
HSL	144°, 100%, 42%
HSV	144°, 100%, 84%
XYZ	25.7254, 48.7650, 16.8640
YIQ	135.4220, -86.4560, -85.1760

Conversions

Conversions Part 2

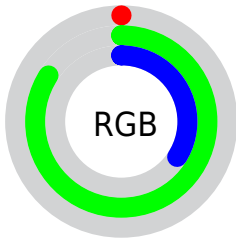
Format	Color
RYB	0, 153, 214
Decimal	54870
CIELab	75.30, -70.13, 50.02
CIELCh	75, 86.136, 144.503
Yxy	48.7650, 0.2816, 0.5338
Android (android.graphics.Color)	4278244950 (0xFF00D656)
YUV	135.4220, -24.3650, -118.7651
Hunter-Lab	69.8319, -56.4482, 34.5641

Details

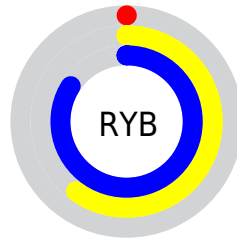
The Yxy color **48.7650, 0.2816, 0.5338** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **15.8550, 0.4564, 0.2288**, and the grayscale version is **24.5120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3873, 0.2902, 0.4793**, and **24.2129, 0.2941, 0.5787** is the 20% darker color. If you saturate the color by 10%, you get **48.7679, 0.2816, 0.5338**, and if you desaturate by 10%, it is **49.1569, 0.2783, 0.5141**.

Distribution



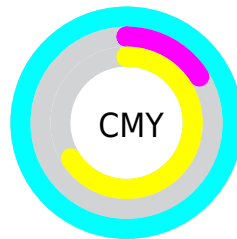
- Red (0%)
- Green (84%)
- Blue (34%)



- Red (0%)
- Yellow (60%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (16%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7650, 0.2816, 0.5338 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 48.7650, 0.2816, 0.5338 by changing the saturation by 10% instead.

 48.7650, 0.2816,
0.5338


 48.7650, 0.2816,
0.5338


381.8164, 0.3035,
0.4233

 34.4331, 0.2739,
0.5630


 88.3423, 0.2912,
0.4922


 23.2265, 0.2626,
0.6009

 114.3565, 0.2943,
0.4770


 14.7609, 0.2453,
0.6510


 145.0337, 0.2967,
0.4643

 8.6517, 0.2177,
0.7192

 180.7581, 0.2986,
0.4535

 4.5147, 0.1747,
0.8253

 221.9141, 0.3002,
0.4443

 1.9655, 0.0000,
1.0000

268.8863, 0.3015,

 0.5873, 0.0000,

0.4364

1.0000

322.0589, 0.3026,
0.4294

■ 0.0000, 0.0000,
0.0000

■ 48.7650, 0.2816,
0.5338

■ 48.7650, 0.2816,
0.5338

■ 48.7679, 0.2816,
0.5338

■ 49.1569, 0.2783,
0.5141

■ 49.7663, 0.2765,
0.4925

■ 50.6582, 0.2765,
0.4694

■ 51.8676, 0.2784,
0.4460

■ 53.4240, 0.2819,
0.4229

■ 55.3538, 0.2867,
0.4008

■ 57.6802, 0.2925,
0.3801

■ 60.4250, 0.2990,
0.3612

■ 63.6080, 0.3058,
0.3442

Harmonies

Analogous

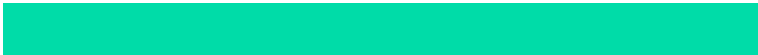
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.7650, 0.3857, 0.5399



48.7650, 0.2816, 0.5338



48.7650, 0.1910, 0.4200

Triad

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



48.7650, 0.2816, 0.5338



48.7650, 0.1511, 0.1694



48.7650, 0.5216, 0.3183

Complementary

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



48.7650, 0.2816, 0.5338



15.8550, 0.4564, 0.2288

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.



48.7650, 0.4307, 0.2509



48.7650, 0.2816, 0.5338



48.7650, 0.2093, 0.1697

Square

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



48.7650, 0.2816, 0.5338



48.7650, 0.1285, 0.2032



48.7650, 0.3081, 0.1982



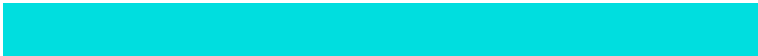
48.7650, 0.5344, 0.3927

Rectangle

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



48.7650, 0.2816, 0.5338



48.7650, 0.1518, 0.3262



48.7650, 0.3081, 0.1982



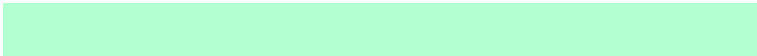
48.7650, 0.4988, 0.2949

Sweetspot

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



48.7679, 0.2816, 0.5338



85.6600, 0.2924, 0.3807



52.7162, 0.3506, 0.5598



18.0052, 0.2898, 0.3893



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.



48.7679, 0.2816, 0.5338



72.4892, 0.2821, 0.5356



51.9283, 0.2335, 0.3605



13.9779, 0.3062, 0.3433



29.4948, 0.2808, 0.5310



1.7951, 0.2711, 0.4960

Inverse Universe

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



15.8550, 0.4564, 0.2288



23.5435, 0.4581, 0.2297



14.3525, 0.6298, 0.3243



12.5443, 0.3199, 0.3151



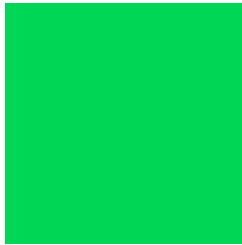
9.6039, 0.4539, 0.2274



0.5954, 0.4248, 0.2114

Previews

White Background



This preview shows how the Yxy color 48.7650, 0.2816, 0.5338 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 48.7650, 0.2816, 0.5338 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 48.7650, 0.2816, 0.5338

Background



This preview shows how black text looks on a background with the Yxy color 48.7650, 0.2816, 0.5338.

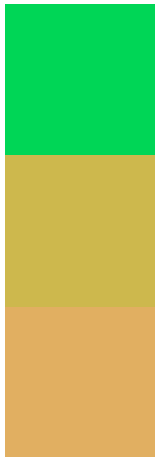


This preview shows how white text looks on a background with the Yxy color 48.7650, 0.2816, 0.5338.

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

48.7650, 0.2816, 0.5338

Protanopia

47.7959, 0.4142, 0.4535

Deuteranopia

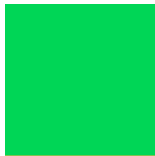
47.5306, 0.4258, 0.4170



Tritanopia

48.7143, 0.2338, 0.3065

Trichromacy



Original Color

48.7650, 0.2816, 0.5338



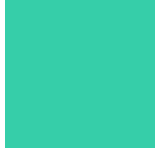
Protanomaly

44.3552, 0.3387, 0.4979



Deuteranomaly

43.0251, 0.3442, 0.4701



Tritanomaly

47.7915, 0.2486, 0.3864

Monochromacy



Original Color

48.7650, 0.2816, 0.5338



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

29.8137, 0.2837, 0.4161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7650, 0.2816, 0.5338 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 86) }
```

Border

The CSS property to change the border of an element to Yxy 48.7650, 0.2816, 0.5338 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, 86) }
```

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

```
.border{ border-color:rgb(0, 214, 86) }
```

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, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 48.7650, 0.2816, 0.5338 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, 86) }
```

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

```
.background{ background-color: rgb(0, 214,  
86) }
```

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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