

Converting Colors

Yxy(48.7614, 0.2818, 0.5346)

Have a look what the booklet for
Yxy(48.7614, 0.2818, 0.5346)
contains.

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Color

Yxy(48.7490, 0.2820, 0.5352)

Conversions

Conversions Part 1

Format	Color
Hex	00D655
RGB	0, 214, 85
RGB Percent	0%, 84%, 33%
CMY	1.0000, 0.1608, 0.6666
CMYK	1.00, 0.00, 0.60, 0.16
HSL	144°, 100%, 42%
HSV	144°, 100%, 84%
XYZ	25.6861, 48.7490, 16.6504
YIQ	135.3080, -86.1350, -85.4870

Conversions

Conversions Part 2

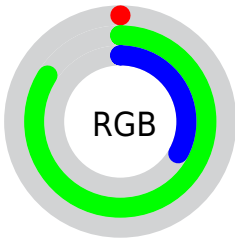
Format	Color
RYB	0, 153, 214
Decimal	54869
CIELab	75.29, -70.25, 50.45
CIELCh	75, 86.490, 144.313
Yxy	48.7490, 0.2820, 0.5352
Android (android.graphics.Color)	4278244949 (0xFF00D655)
YUV	135.3080, -24.8018, -118.6651
Hunter-Lab	69.8205, -56.5178, 34.7352

Details

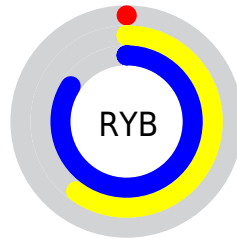
The Yxy color **48.7490, 0.2820, 0.5352** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **15.8817, 0.4545, 0.2277**, and the grayscale version is **24.4680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3582, 0.2906, 0.4806**, and **24.2077, 0.2944, 0.5798** is the 20% darker color. If you saturate the color by 10%, you get **48.7511, 0.2820, 0.5352**, and if you desaturate by 10%, it is **49.1390, 0.2787, 0.5155**.

Distribution



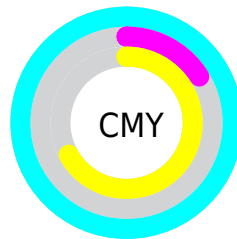
- Red (0%)
- Green (84%)
- Blue (33%)



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



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



- Cyan (100%)
- Magenta (16%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7490, 0.2820, 0.5352 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 48.7490, 0.2820, 0.5352 by changing the saturation by 10% instead.

 48.7490, 0.2820,
0.5352


 48.7490, 0.2820,
0.5352

381.7534, 0.3038,
0.4240


 34.4204, 0.2743,
0.5646


 88.3185, 0.2916,
0.4933

 23.2168, 0.2629,
0.6026


 114.3283, 0.2947,
0.4780


 14.7536, 0.2455,
0.6530


 145.0006, 0.2971,
0.4652

 8.6467, 0.2178,
0.7215

 180.7197, 0.2990,
0.4544

 4.5114, 0.1741,
0.8259

 221.8702, 0.3006,
0.4451

 1.9636, 0.0000,
1.0000

268.8364, 0.3018,

 0.5862, 0.0000,

0.4371

1.0000

322.0026, 0.3029,
0.4301

■ 0.0000, 0.0000,
0.0000

■ 48.7490, 0.2820,
0.5352

■ 48.7490, 0.2820,
0.5352

■ 48.7511, 0.2820,
0.5352

■ 49.1390, 0.2787,
0.5155

■ 49.7478, 0.2768,
0.4937

■ 50.6396, 0.2769,
0.4706

■ 51.8495, 0.2787,
0.4469

■ 53.4071, 0.2822,
0.4237

■ 55.3386, 0.2870,
0.4014

■ 57.6676, 0.2927,
0.3806

■ 60.4155, 0.2991,
0.3615

■ 63.6025, 0.3058,
0.3443

Harmonies

Analogous

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



48.7490, 0.3864, 0.5404



48.7490, 0.2820, 0.5352



48.7490, 0.1910, 0.4213

Triad

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



48.7490, 0.2820, 0.5352



48.7490, 0.1503, 0.1689



48.7490, 0.5221, 0.3177

Complementary

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



48.7490, 0.2820, 0.5352



15.8817, 0.4545, 0.2277

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.



48.7490, 0.4304, 0.2502



48.7490, 0.2820, 0.5352



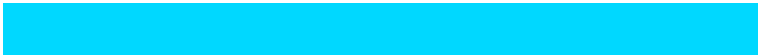
48.7490, 0.2085, 0.1691

Square

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



48.7490, 0.2820, 0.5352



48.7490, 0.1279, 0.2031



48.7490, 0.3073, 0.1975



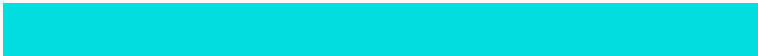
48.7490, 0.5353, 0.3922

Rectangle

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



48.7490, 0.2820, 0.5352



48.7490, 0.1515, 0.3269



48.7490, 0.3073, 0.1975



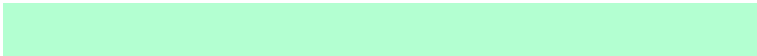
48.7490, 0.4991, 0.2942

Sweetspot

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



48.7511, 0.2820, 0.5352



85.6421, 0.2925, 0.3812



52.9981, 0.3532, 0.5578



18.0010, 0.2900, 0.3898



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.



48.7511, 0.2820, 0.5352



72.4653, 0.2825, 0.5370



51.7708, 0.2350, 0.3661



13.9769, 0.3062, 0.3434



29.4849, 0.2812, 0.5324



1.7945, 0.2715, 0.4973

Inverse Universe

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



15.8817, 0.4545, 0.2277



23.5834, 0.4561, 0.2286



14.3668, 0.6272, 0.3229



12.5453, 0.3198, 0.3150



9.6201, 0.4520, 0.2263



0.5964, 0.4233, 0.2106

Previews

White Background



This preview shows how the Yxy color 48.7490, 0.2820, 0.5352 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 48.7490, 0.2820, 0.5352 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 48.7490, 0.2820, 0.5352

Background



This preview shows how black text looks on a background with the Yxy color 48.7490, 0.2820, 0.5352.



This preview shows how white text looks on a background with the Yxy color 48.7490, 0.2820, 0.5352.

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

48.7490, 0.2820, 0.5352

Protanopia

47.7819, 0.4148, 0.4544

Deuteranopia

47.5120, 0.4265, 0.4179



Tritanopia

48.7143, 0.2338, 0.3065

Trichromacy



Original Color

48.7490, 0.2820, 0.5352



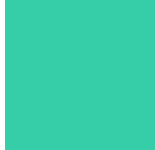
Protanomaly

44.3406, 0.3392, 0.4991



Deuteranomaly

43.0075, 0.3448, 0.4714



Tritanomaly

47.7915, 0.2486, 0.3864

Monochromacy



Original Color

48.7490, 0.2820, 0.5352



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 48.7490, 0.2820, 0.5352 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 85) }
```

Border

The CSS property to change the border of an element to Yxy 48.7490, 0.2820, 0.5352 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, 85) }
```

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

```
.border{ border-color:rgb(0, 214, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 48.7490, 0.2820, 0.5352 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, 85) }
```

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

```
.background{ background-color: rgb(0, 214,  
85) }
```

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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