

Converting Colors

$Y_{xy}(43.7176, 0.2836, 0.5408)$

Have a look what the booklet for
Yxy(43.7176, 0.2836, 0.5408)
contains.

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Color

Yxy(43.7216, 0.2834, 0.5404)

Conversions

Conversions Part 1

Format	Color
Hex	00CC4D
RGB	0, 204, 77
RGB Percent	0%, 80%, 30%
CMY	1.0000, 0.2000, 0.6979
CMYK	1.00, 0.00, 0.62, 0.20
HSL	143°, 100%, 40%
HSV	143°, 100%, 80%
XYZ	22.9288, 43.7216, 14.2556
YIQ	128.5260, -80.8170, -82.7450

Conversions

Conversions Part 2

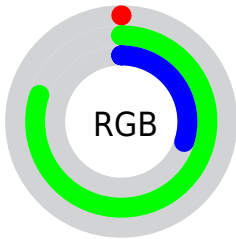
Format	Color
RYB	0, 148, 204
Decimal	52301
CIELab	72.04, -68.24, 50.24
CIELCh	72, 84.736, 143.637
Yxy	43.7216, 0.2834, 0.5404
Android (android.graphics.Color)	4278242381 (0xFF00CC4D)
YUV	128.5260, -25.4023, -112.7173
Hunter-Lab	66.1223, -53.8169, 33.5030

Details

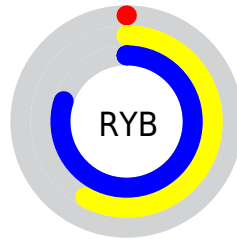
The Yxy color **43.7216, 0.2834, 0.5404** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.3706, 0.4459, 0.2230**, and the grayscale version is **21.8931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0153, 0.2932, 0.4911**, and **21.2303, 0.2965, 0.5874** is the 20% darker color. If you saturate the color by 10%, you get **43.7263, 0.2834, 0.5404**, and if you desaturate by 10%, it is **44.0766, 0.2802, 0.5206**.

Distribution



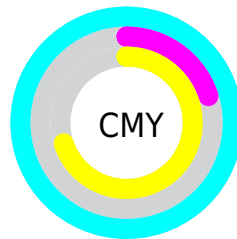
- Red (0%)
- Green (80%)
- Blue (30%)



- Red (0%)
- Yellow (58%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7216, 0.2834, 0.5404 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 43.7216, 0.2834, 0.5404 by changing the saturation by 10% instead.


 43.7216, 0.2834,
0.5404

 43.7216, 0.2834,
0.5404


361.5710, 0.3051,
0.4245


 30.4517, 0.2752,
0.5716


 80.7987, 0.2933,
0.4963

 20.1817, 0.2630,
0.6124


 105.3746, 0.2963,
0.4803

 12.5272, 0.2437,
0.6667


 134.4880, 0.2987,
0.4670

 7.1038, 0.2145,
0.7487

 168.5233, 0.3006,
0.4558

 3.5271, 0.1563,
0.8437

 207.8648, 0.3021,
0.4462

 1.4127, 0.0000,
1.0000

252.8970, 0.3033,

 0.2261, 0.0000,

0.4380

1.0000

304.0043, 0.3043,
0.4308

■ 0.0000, 0.0000,
0.0000

■ 43.7216, 0.2834,
0.5404

■ 43.7216, 0.2834,
0.5404

■ 43.7263, 0.2834,
0.5404

■ 44.0766, 0.2802,
0.5206

■ 44.6252, 0.2784,
0.4985

■ 45.4293, 0.2783,
0.4748

■ 46.5200, 0.2801,
0.4505

■ 47.9239, 0.2835,
0.4265

■ 49.6644, 0.2880,
0.4036

■ 51.7625, 0.2936,
0.3821

■ 54.2376, 0.2997,
0.3625

■ 57.1075, 0.3061,
0.3448

Harmonies

Analogous

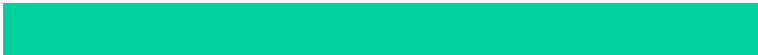
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.7216, 0.3889, 0.5422



43.7216, 0.2834, 0.5404



43.7216, 0.1908, 0.4261

Triad

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



43.7216, 0.2834, 0.5404



43.7216, 0.1476, 0.1674



43.7216, 0.5240, 0.3154

Complementary

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



43.7216, 0.2834, 0.5404



14.3706, 0.4459, 0.2230

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.



43.7216, 0.4295, 0.2477



43.7216, 0.2834, 0.5404



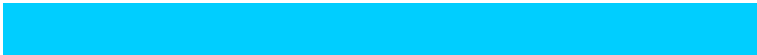
43.7216, 0.2053, 0.1670

Square

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



43.7216, 0.2834, 0.5404



43.7216, 0.1257, 0.2026



43.7216, 0.3044, 0.1950



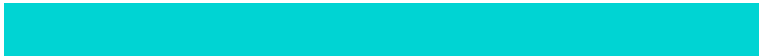
43.7216, 0.5387, 0.3904

Rectangle

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



43.7216, 0.2834, 0.5404



43.7216, 0.1504, 0.3296



43.7216, 0.3044, 0.1950



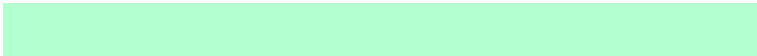
43.7216, 0.5000, 0.2919

Sweetspot

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



43.7263, 0.2834, 0.5404



85.5680, 0.2933, 0.3829



47.8734, 0.3560, 0.5555



17.9837, 0.2909, 0.3919



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.



43.7263, 0.2834, 0.5404



72.3696, 0.2841, 0.5427



46.3568, 0.2366, 0.3716



12.6059, 0.3065, 0.3438



27.5358, 0.2827, 0.5378



1.4352, 0.2715, 0.4973

Inverse Universe

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



14.3706, 0.4459, 0.2230



23.7536, 0.4479, 0.2241



12.9187, 0.6238, 0.3210



11.3291, 0.3194, 0.3147



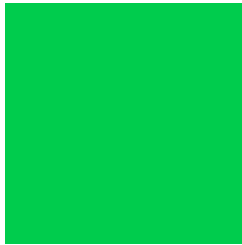
9.0627, 0.4437, 0.2218



0.4820, 0.4136, 0.2052

Previews

White Background



This preview shows how the Yxy color 43.7216, 0.2834, 0.5404 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 43.7216, 0.2834, 0.5404 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 43.7216, 0.2834, 0.5404

Background



This preview shows how black text looks on a background with the Yxy color 43.7216, 0.2834, 0.5404.



This preview shows how white text looks on a background with the Yxy color 43.7216, 0.2834, 0.5404.

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

43.7216, 0.2834, 0.5404

Protanopia

42.6917, 0.4165, 0.4570

Deuteranopia

42.7891, 0.4292, 0.4212



Tritanopia

43.5604, 0.2340, 0.3054

Trichromacy



Original Color

43.7216, 0.2834, 0.5404



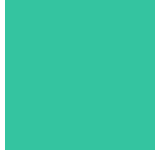
Protanomaly

39.8708, 0.3409, 0.5027



Deuteranomaly

38.6010, 0.3478, 0.4754



Tritanomaly

42.7480, 0.2493, 0.3875

Monochromacy



Original Color

43.7216, 0.2834, 0.5404



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.6966, 0.2849, 0.4183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7216, 0.2834, 0.5404 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, 204, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 77)  
}
```

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, 204, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 77) }
```

Border

The CSS property to change the border of an element to Yxy 43.7216, 0.2834, 0.5404 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, 204, 77) }
```

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

```
.border{ border-color:rgb(0, 204, 77) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 77)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.7216, 0.2834, 0.5404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 77) }
```

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

```
.background{ background-color: rgb(0, 204,  
77) }
```

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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