

Converting Colors

$Yxy(43.7828, 0.2816, 0.5336)$

Have a look what the booklet for
Yxy(43.7828, 0.2816, 0.5336)
contains.

Yxy(43.7949, 0.2815, 0.5332)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.7949, 0.2815, 0.5332)

Conversions

Conversions Part 1

Format	Color
Hex	01CC52
RGB	1, 204, 82
RGB Percent	0%, 80%, 32%
CMY	0.9978, 0.2000, 0.6784
CMYK	1.00, 0.00, 0.60, 0.20
HSL	144°, 99%, 40%
HSV	144°, 100%, 80%
XYZ	23.1213, 43.7949, 15.2198
YIQ	129.3950, -81.8260, -80.9780

Conversions

Conversions Part 2

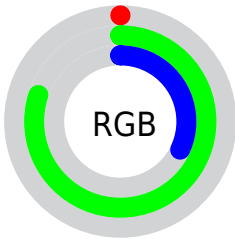
Format	Color
RYB	1, 146, 204
Decimal	117842
CIELab	72.09, -67.58, 48.09
CIELCh	72, 82.941, 144.566
Yxy	43.7949, 0.2815, 0.5332
Android (android.graphics.Color)	4278307922 (0xFF01CC52)
YUV	129.3950, -23.3657, -112.6024
Hunter-Lab	66.1777, -53.4464, 32.6887

Details

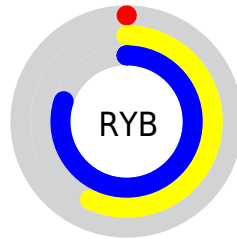
The Yxy color **43.7949, 0.2815, 0.5332** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **14.2670, 0.4548, 0.2281**, and the grayscale version is **22.1536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1528, 0.2911, 0.4848**, and **21.2636, 0.2943, 0.5794** is the 20% darker color. If you saturate the color by 10%, you get **43.7881, 0.2816, 0.5337**, and if you desaturate by 10%, it is **44.1552, 0.2783, 0.5135**.

Distribution



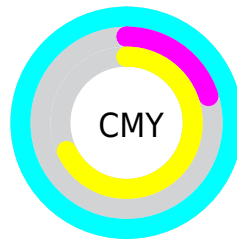
- Red (0%)
- Green (80%)
- Blue (32%)



- Red (0%)
- Yellow (57%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7949, 0.2815, 0.5332 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 43.7949, 0.2815, 0.5332 by changing the saturation by 10% instead.


 43.7949, 0.2815,
0.5332

 43.7949, 0.2815,
0.5332


361.8707, 0.3036,
0.4212


 30.5093, 0.2734,
0.5635


 80.9090, 0.2913,
0.4905

 20.2255, 0.2615,
0.6033


 105.5063, 0.2945,
0.4750

 12.5591, 0.2429,
0.6566


 134.6430, 0.2969,
0.4622

 7.1256, 0.2136,
0.7342

 168.7035, 0.2989,
0.4514

 3.5408, 0.1601,
0.8399

 208.0721, 0.3004,
0.4422

 1.4202, 0.0000,
1.0000

253.1332, 0.3017,

 0.2315, 0.0000,

0.4342

1.0000

304.2713, 0.3028,
0.4273

■ 0.0000, 0.0000,
0.0000

■ 43.7949, 0.2815,
0.5332

■ 43.7949, 0.2815,
0.5332

■ 43.7881, 0.2816,
0.5337

■ 44.1552, 0.2783,
0.5135

■ 44.7129, 0.2765,
0.4917

■ 45.5247, 0.2767,
0.4687

■ 46.6213, 0.2786,
0.4452

■ 48.0290, 0.2822,
0.4222

■ 49.7709, 0.2870,
0.4001

■ 51.8678, 0.2928,
0.3796

■ 54.3390, 0.2992,
0.3607

■ 57.2021, 0.3060,
0.3438

Harmonies

Analogous

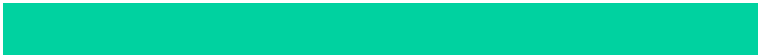
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.7949, 0.3855, 0.5396



43.7949, 0.2815, 0.5332



43.7949, 0.1911, 0.4195

Triad

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



43.7949, 0.2815, 0.5332



43.7949, 0.1514, 0.1696



43.7949, 0.5214, 0.3185

Complementary

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



43.7949, 0.2815, 0.5332



14.2670, 0.4548, 0.2281

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.



43.7949, 0.4307, 0.2511



43.7949, 0.2815, 0.5332



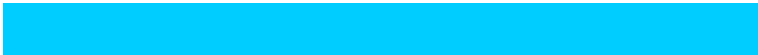
43.7949, 0.2097, 0.1700

Square

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



43.7949, 0.2815, 0.5332



43.7949, 0.1287, 0.2033



43.7949, 0.3083, 0.1985



43.7949, 0.5340, 0.3929

Rectangle

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



43.7949, 0.2815, 0.5332



43.7949, 0.1519, 0.3259



43.7949, 0.3083, 0.1985



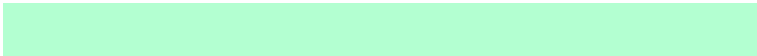
43.7949, 0.4986, 0.2951

Sweetspot

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



43.7967, 0.2815, 0.5332



85.6543, 0.2924, 0.3809



47.3677, 0.3509, 0.5594



18.0039, 0.2899, 0.3895



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.



43.7967, 0.2815, 0.5332



72.4815, 0.2822, 0.5360



46.6333, 0.2335, 0.3603



12.6102, 0.3062, 0.3432



27.5794, 0.2809, 0.5311



1.4377, 0.2698, 0.4912

Inverse Universe

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



14.2670, 0.4548, 0.2281



23.5563, 0.4575, 0.2294



12.9025, 0.6289, 0.3240



11.3247, 0.3198, 0.3152



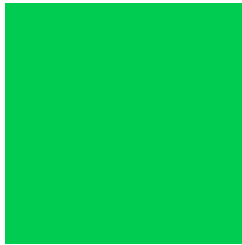
8.9881, 0.4529, 0.2269



0.4784, 0.4204, 0.2089

Previews

White Background



This preview shows how the Yxy color 43.7949, 0.2815, 0.5332 looks on a white background.

Color Contrast Check

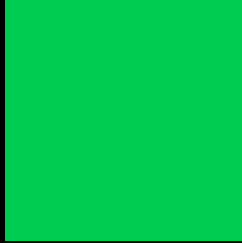
Large Text (above 18pt) WCAG AA × Fail

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 43.7949, 0.2815, 0.5332 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 43.7949, 0.2815, 0.5332

Background



This preview shows how black text looks on a background with the Yxy color 43.7949, 0.2815, 0.5332.

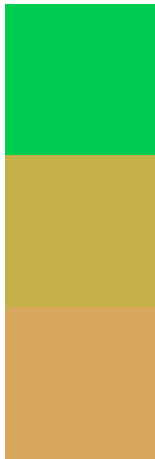


This preview shows how white text looks on a background with the Yxy color 43.7949, 0.2815, 0.5332.

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

43.8014, 0.2815, 0.5332

Protanopia

43.1338, 0.4133, 0.4544

Deuteranopia

42.8748, 0.4254, 0.4162



Tritanopia

43.5159, 0.2336, 0.3054

Trichromacy



Original Color

43.8014, 0.2815, 0.5332



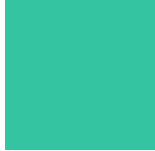
Protanomaly

39.9247, 0.3388, 0.4977



Deuteranomaly

38.6822, 0.3446, 0.4686



Tritanomaly

42.8186, 0.2483, 0.3841

Monochromacy



Original Color

43.8014, 0.2815, 0.5332



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.7406, 0.2833, 0.4142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7949, 0.2815, 0.5332 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(1, 204, 82)` looks like.

```
.text, #text, p{  
  color:rgb(1, 204, 82)  
}
```

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(1, 204, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 82) }
```

Border

The CSS property to change the border of an element to Yxy 43.7949, 0.2815, 0.5332 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(1, 204, 82) }
```

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

```
.border{ border-color:rgb(1, 204, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 82);  
box-shadow:4px 4px 4px 4px rgb(1, 204, 82)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.7949, 0.2815, 0.5332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 82) }
```

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

```
.background{ background-color: rgb(1, 204,  
82) }
```

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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