

Converting Colors

$Y_{xy}(43.7920, 0.2770, 0.5127)$

Have a look what the booklet for
Yxy(43.7920, 0.2770, 0.5127)
contains.

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Color

Yxy(43.6237, 0.2768, 0.5119)

Conversions

Conversions Part 1

Format	Color
Hex	0DCB5F
RGB	13, 203, 95
RGB Percent	5%, 80%, 37%
CMY	0.9488, 0.2039, 0.6274
CMYK	0.94, 0.00, 0.53, 0.20
HSL	146°, 88%, 42%
HSV	146°, 94%, 80%
XYZ	23.5887, 43.6237, 18.0068
YIQ	133.8780, -78.5720, -73.8680

Conversions

Conversions Part 2

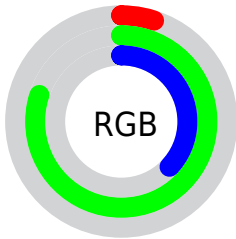
Format	Color
RYB	13, 146, 203
Decimal	904031
CIELab	71.98, -64.99, 41.90
CIELCh	72, 77.332, 147.189
Yxy	43.6237, 0.2768, 0.5119
Android (android.graphics.Color)	4279094111 (0xFF0DCB5F)
YUV	133.8780, -19.1669, -106.0100
Hunter-Lab	66.0482, -51.8344, 30.0695

Details

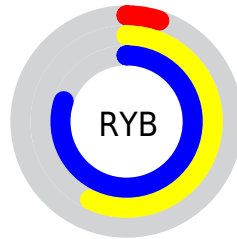
The Yxy color **43.6237, 0.2768, 0.5119** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **14.3682, 0.4554, 0.2318**, and the grayscale version is **23.8952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6012, 0.2859, 0.4678**, and **21.0493, 0.2880, 0.5567** is the 20% darker color. If you saturate the color by 10%, you get **43.4106, 0.2789, 0.5242**, and if you desaturate by 10%, it is **44.0946, 0.2745, 0.4915**.

Distribution



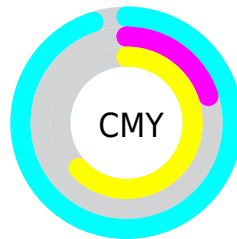
- Red (5%)
- Green (80%)
- Blue (37%)



- Red (5%)
- Yellow (57%)
- Blue (80%)



- Cyan (94%)
- Magenta (0%)
- Yellow (53%)
- Black (20%)




- Cyan (95%)
- Magenta (20%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6237, 0.2768, 0.5119 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 43.6237, 0.2768, 0.5119 by changing the saturation by 10% instead.


 43.6237, 0.2768,
0.5119


 43.6237, 0.2768,
0.5119


361.1705, 0.2999,
0.4116


 30.3748, 0.2691,
0.5394


 80.6512, 0.2866,
0.4735

 20.1232, 0.2579,
0.5758


 105.1986, 0.2899,
0.4596

 12.4847, 0.2409,
0.6256


 134.2809, 0.2924,
0.4482

 7.0747, 0.2132,
0.6958

 168.2826, 0.2945,
0.4385

 3.5088, 0.1714,
0.8286

 207.5880, 0.2962,
0.4303

 1.4028, 0.0000,
1.0000

252.5815, 0.2977,

 0.2188, 0.0000,

0.4232

1.0000

303.6475, 0.2989,
0.4170

■ 0.0000, 0.0000,
0.0000

■ 43.6237, 0.2768,
0.5119

■ 43.6237, 0.2768,
0.5119

■ 43.4106, 0.2789,
0.5242

■ 44.0946, 0.2745,
0.4915

■ 44.7984, 0.2740,
0.4697

■ 45.7695, 0.2755,
0.4474

■ 47.0353, 0.2787,
0.4253

■ 48.6193, 0.2834,
0.4041

■ 50.5428, 0.2892,
0.3841

■ 52.8251, 0.2957,
0.3657

■ 55.4840, 0.3028,
0.3489

■ 58.5362, 0.3101,
0.3339

Harmonies

Analogous

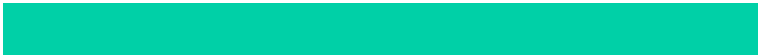
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.6237, 0.3757, 0.5301



43.6237, 0.2768, 0.5119



43.6237, 0.1928, 0.4017

Triad

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



43.6237, 0.2768, 0.5119



43.6237, 0.1628, 0.1765



43.6237, 0.5124, 0.3269

Complementary

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



43.6237, 0.2768, 0.5119



14.3682, 0.4554, 0.2318

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.



43.6237, 0.4328, 0.2611



43.6237, 0.2768, 0.5119



43.6237, 0.2223, 0.1790

Square

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



43.6237, 0.2768, 0.5119



43.6237, 0.1381, 0.2065



43.6237, 0.3189, 0.2087



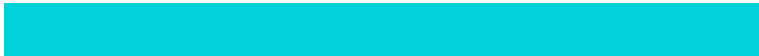
43.6237, 0.5196, 0.3992

Rectangle

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



43.6237, 0.2768, 0.5119



43.6237, 0.1573, 0.3170



43.6237, 0.3189, 0.2087



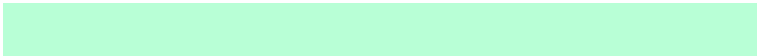
43.6237, 0.4930, 0.3041

Sweetspot

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



43.6255, 0.2768, 0.5119



86.5368, 0.2925, 0.3743



47.0170, 0.3512, 0.5556



18.1763, 0.2897, 0.3825



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.



43.6255, 0.2768, 0.5119



72.6463, 0.2796, 0.5265



46.3943, 0.2323, 0.3532



12.6160, 0.3058, 0.3425



27.6432, 0.2782, 0.5216



1.4412, 0.2674, 0.4827

Inverse Universe

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



14.3682, 0.4554, 0.2318



23.3036, 0.4706, 0.2366



13.0746, 0.6182, 0.3234



11.3188, 0.3203, 0.3159



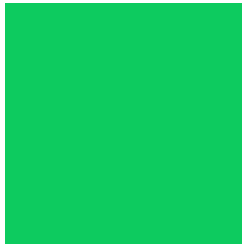
8.8924, 0.4656, 0.2339



0.4738, 0.4298, 0.2142

Previews

White Background



This preview shows how the Yxy color 43.6237, 0.2768, 0.5119 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 43.6237, 0.2768, 0.5119 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 43.6237, 0.2768, 0.5119

Background



This preview shows how black text looks on a background with the Yxy color 43.6237, 0.2768, 0.5119.



This preview shows how white text looks on a background with the Yxy color 43.6237, 0.2768, 0.5119.

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

43.6237, 0.2768, 0.5119

Protanopia

42.6693, 0.4035, 0.4415

Deuteranopia

42.6340, 0.4134, 0.4055



Tritanopia

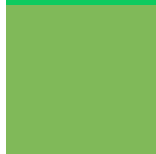
43.4289, 0.2329, 0.3054

Trichromacy



Original Color

43.6237, 0.2768, 0.5119



Protanomaly

40.0084, 0.3349, 0.4777



Deuteranomaly

39.1576, 0.3391, 0.4503



Tritanomaly

42.5956, 0.2467, 0.3756

Monochromacy



Original Color

43.6237, 0.2768, 0.5119



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.3260, 0.2837, 0.4017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6237, 0.2768, 0.5119 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(13, 203, 95)` looks like.

```
.text, #text, p{  
    color:rgb(13, 203, 95)  
}
```

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(13, 203, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 203, 95) }
```

Border

The CSS property to change the border of an element to Yxy 43.6237, 0.2768, 0.5119 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(13, 203, 95) }
```

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

```
.border{ border-color:rgb(13, 203, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 203, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 203, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 203, 95);  
box-shadow:4px 4px 4px 4px rgb(13, 203,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6237, 0.2768, 0.5119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 203, 95) }
```

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

```
.background{ background-color: rgb(13, 203,  
95) }
```

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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