

Converting Colors

$Y_{xy}(43.3214, 0.2999, 0.5939)$

Have a look what the booklet for
Yxy(43.3214, 0.2999, 0.5939)
contains.

Yxy(43.3196, 0.2999, 0.5940)	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(43.3196, 0.2999, 0.5940)

Conversions

Conversions Part 1

Format	Color
Hex	0ECC11
RGB	14, 204, 17
RGB Percent	5%, 80%, 7%
CMY	0.9464, 0.2000, 0.9334
CMYK	0.93, 0.00, 0.92, 0.20
HSL	121°, 87%, 43%
HSV	121°, 93%, 80%
XYZ	21.8713, 43.3196, 7.7377
YIQ	125.8720, -53.2130, -98.4370

Conversions

Conversions Part 2

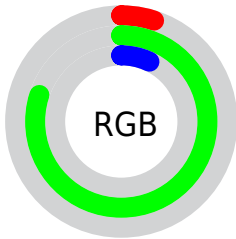
Format	Color
RYB	14, 201, 204
Decimal	969745
CIELab	71.77, -71.93, 68.49
CIELCh	72, 99.320, 136.404
Yxy	43.3196, 0.2999, 0.5940
Android (android.graphics.Color)	4279159825 (0xFF0ECC11)
YUV	125.8720, -53.6739, -98.1117
Hunter-Lab	65.8176, -55.8650, 39.1020

Details

The Yxy color **43.3196, 0.2999, 0.5940** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **17.3474, 0.3249, 0.1585**, and the grayscale version is **20.9846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3963, 0.3112, 0.5373**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.1979, 0.2997, 0.5990**, and if you desaturate by 10%, it is **43.6654, 0.3002, 0.5803**.

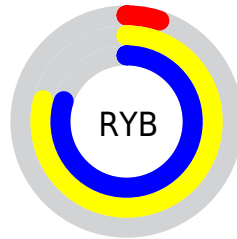
Distribution



Red (5%)

Green (80%)

Blue (7%)



Red (5%)

Yellow (79%)

Blue (80%)

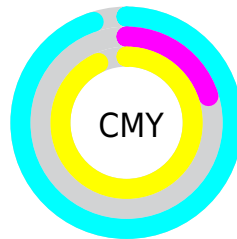


Cyan (93%)

Magenta (0%)

Yellow (92%)

Black (20%)



Cyan (95%)


Magenta (20%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.3196, 0.2999, 0.5940 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 43.3196, 0.2999, 0.5940 by changing the saturation by 10% instead.


 43.3196, 0.2999,
0.5940


 43.3196, 0.2999,
0.5940


359.9245, 0.3190,
0.4511


 30.1360, 0.2900,
0.6297


 80.1929, 0.3105,
0.5412

 19.9418, 0.2742,
0.6737

 104.6514, 0.3134,
0.5214


 12.3528, 0.2510,
0.7343


 133.6369, 0.3153,
0.5048

 6.9844, 0.2075,
0.7925

 167.5339, 0.3166,
0.4907

 3.4523, 0.1342,
0.8658

 206.7268, 0.3176,
0.4787

 1.3722, 0.0000,
1.0000

 251.5999, 0.3182,

 0.1961, 0.0000,

0.4682

1.0000

302.5377, 0.3187,
0.4591

■ 0.0000, 0.0000,
0.0000

■ 43.3196, 0.2999,
0.5940

■ 43.3196, 0.2999,
0.5940

■ 43.1979, 0.2997,
0.5990

■ 43.6654, 0.3002,
0.5803

■ 44.2840, 0.3010,
0.5582

■ 45.2188, 0.3023,
0.5291

■ 46.5045, 0.3038,
0.4956

■ 48.1710, 0.3056,
0.4603

■ 50.2453, 0.3074,
0.4255

■ 52.7516, 0.3091,
0.3928

■ 55.7126, 0.3108,
0.3632

■ 59.1492, 0.3123,
0.3369

Harmonies

Analogous

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



43.3196, 0.4168, 0.5526



43.3196, 0.2999, 0.5940



43.3196, 0.1915, 0.4875

Triad

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



43.3196, 0.2999, 0.5940



43.3196, 0.1195, 0.1522



43.3196, 0.5400, 0.2896

Complementary

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



43.3196, 0.2999, 0.5940



17.3474, 0.3249, 0.1585

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.



43.3196, 0.4127, 0.2196



43.3196, 0.2999, 0.5940



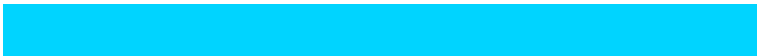
43.3196, 0.1710, 0.1451

Square

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



43.3196, 0.2999, 0.5940



43.3196, 0.1040, 0.1993



43.3196, 0.2698, 0.1684



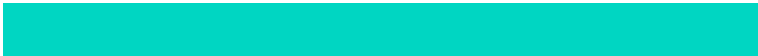
43.3196, 0.5750, 0.3672

Rectangle

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



43.3196, 0.2999, 0.5940



43.3196, 0.1406, 0.3663



43.3196, 0.2698, 0.1684



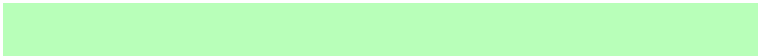
43.3196, 0.5051, 0.2651

Sweetspot

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



43.3214, 0.2999, 0.5940



85.1570, 0.3082, 0.4090



55.6160, 0.4154, 0.5053



17.8543, 0.3075, 0.4236



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.



43.3214, 0.2999, 0.5940



71.5297, 0.2998, 0.5993



44.4512, 0.2691, 0.4844



12.5401, 0.3114, 0.3525



27.1879, 0.2997, 0.5988



1.4037, 0.2985, 0.5945

Inverse Universe

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



17.3474, 0.3249, 0.1585



28.1982, 0.3254, 0.1566



14.1780, 0.4880, 0.2503



11.4003, 0.3140, 0.3066



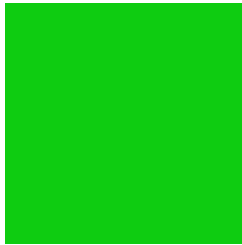
10.7198, 0.3253, 0.1565



0.5541, 0.3244, 0.1560

Previews

White Background



This preview shows how the Yxy color 43.3196, 0.2999, 0.5940 looks on a white background.

Color Contrast Check

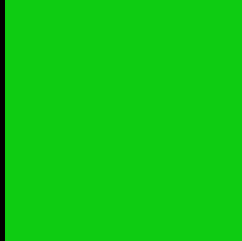
Large Text (above 18pt) WCAG AA × Fail

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 43.3196, 0.2999, 0.5940 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 43.3196, 0.2999, 0.5940

Background



This preview shows how black text looks on a background with the Yxy color 43.3196, 0.2999, 0.5940.



This preview shows how white text looks on a background with the Yxy color 43.3196, 0.2999, 0.5940.

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

43.3196, 0.2999, 0.5940

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

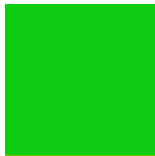
42.1756, 0.4598, 0.4491



Tritanopia

43.2131, 0.2362, 0.3068

Trichromacy



Original Color

43.3196, 0.2999, 0.5940



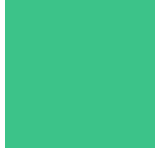
Protanomaly

39.8768, 0.3664, 0.5453



Deuteranomaly

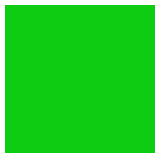
38.2969, 0.3785, 0.5187



Tritanomaly

41.7970, 0.2641, 0.4262

Monochromacy



Original Color

43.3196, 0.2999, 0.5940



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.7144, 0.3056, 0.4628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.3196, 0.2999, 0.5940 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(14, 204, 17)` looks like.

```
.text, #text, p{  
    color:rgb(14, 204, 17)  
}
```

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(14, 204, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 204, 17) }
```

Border

The CSS property to change the border of an element to Yxy 43.3196, 0.2999, 0.5940 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(14, 204, 17) }
```

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

```
.border{ border-color:rgb(14, 204, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 204, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 204, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 204, 17);  
box-shadow:4px 4px 4px 4px rgb(14, 204,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 43.3196, 0.2999, 0.5940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 204, 17) }
```

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

```
.background{ background-color: rgb(14, 204,  
17) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor