

Converting Colors

$Y_{xy}(43.8217, 0.2999, 0.5938)$

Have a look what the booklet for
Yxy(43.8217, 0.2999, 0.5938)
contains.

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Color

Yxy(43.7997, 0.2998, 0.5936)

Conversions

Conversions Part 1

Format	Color
Hex	0ECD12
RGB	14, 205, 18
RGB Percent	5%, 80%, 7%
CMY	0.9455, 0.1961, 0.9289
CMYK	0.93, 0.00, 0.91, 0.20
HSL	121°, 87%, 43%
HSV	121°, 93%, 80%
XYZ	22.1212, 43.7997, 7.8656
YIQ	126.5730, -53.8090, -98.6490

Conversions

Conversions Part 2

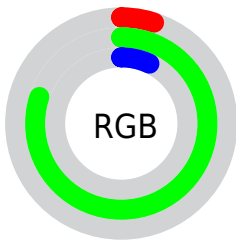
Format	Color
RYB	14, 201, 205
Decimal	970002
CIELab	72.09, -72.16, 68.59
CIELCh	72, 99.558, 136.452
Yxy	43.7997, 0.2998, 0.5936
Android (android.graphics.Color)	4279160082 (0xFF0ECD12)
YUV	126.5730, -53.5265, -98.7265
Hunter-Lab	66.1813, -56.1535, 39.2803

Details

The Yxy color **43.7997, 0.2998, 0.5936** 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 **17.4972, 0.3261, 0.1591**, and the grayscale version is **21.2652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3963, 0.3112, 0.5373**, and **21.4949, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.6748, 0.2997, 0.5988**, and if you desaturate by 10%, it is **44.1528, 0.3001, 0.5796**.

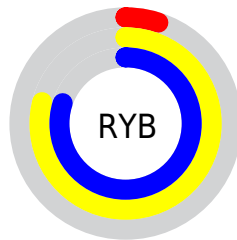
Distribution



Red (5%)

Green (80%)

Blue (7%)



Red (5%)

Yellow (79%)

Blue (80%)

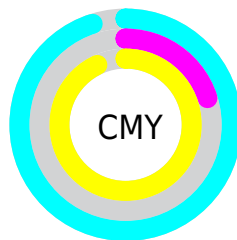


Cyan (93%)

Magenta (0%)

Yellow (91%)

Black (20%)



Cyan (95%)


Magenta (20%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7997, 0.2998, 0.5936 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 43.7997, 0.2998, 0.5936 by changing the saturation by 10% instead.


 43.7997, 0.2998,
0.5936


 43.7997, 0.2998,
0.5936


361.8903, 0.3188,
0.4511

 30.5131, 0.2900,
0.6292


 80.9163, 0.3104,
0.5410

 20.2284, 0.2744,
0.6730

 105.5150, 0.3132,
0.5213


 12.5611, 0.2512,
0.7326


 134.6532, 0.3152,
0.5047

 7.1271, 0.2084,
0.7916

 168.7153, 0.3165,
0.4907

 3.5417, 0.1372,
0.8628

 208.0856, 0.3174,
0.4787

 1.4206, 0.0000,
1.0000

 253.1486, 0.3181,

 0.2319, 0.0000,

0.4682

1.0000

304.2887, 0.3185,
0.4591

■ 0.0000, 0.0000,
0.0000

■ 43.7997, 0.2998,
0.5936

■ 43.7997, 0.2998,
0.5936

■ 43.6748, 0.2997,
0.5988

■ 44.1528, 0.3001,
0.5796

■ 44.7820, 0.3008,
0.5573

■ 45.7308, 0.3020,
0.5281

■ 47.0340, 0.3036,
0.4946

■ 48.7220, 0.3053,
0.4594

■ 50.8216, 0.3072,
0.4248

■ 53.3576, 0.3090,
0.3923

■ 56.3526, 0.3107,
0.3628

■ 59.8278, 0.3122,
0.3367

Harmonies

Analogous

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



43.7997, 0.4167, 0.5525



43.7997, 0.2998, 0.5936



43.7997, 0.1915, 0.4870

Triad

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



43.7997, 0.2998, 0.5936



43.7997, 0.1197, 0.1523



43.7997, 0.5398, 0.2898

Complementary

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



43.7997, 0.2998, 0.5936



17.4972, 0.3261, 0.1591

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.



43.7997, 0.4128, 0.2198



43.7997, 0.2998, 0.5936



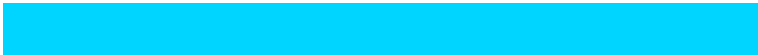
43.7997, 0.1712, 0.1453

Square

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



43.7997, 0.2998, 0.5936



43.7997, 0.1042, 0.1993



43.7997, 0.2700, 0.1686



43.7997, 0.5747, 0.3674

Rectangle

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



43.7997, 0.2998, 0.5936



43.7997, 0.1407, 0.3660



43.7997, 0.2700, 0.1686



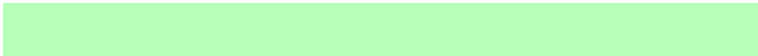
43.7997, 0.5051, 0.2653

Sweetspot

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



43.8015, 0.2998, 0.5936



85.1715, 0.3080, 0.4086



56.2277, 0.4154, 0.5053



17.8576, 0.3072, 0.4231



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.



43.8015, 0.2998, 0.5936



71.5324, 0.2997, 0.5991



44.9415, 0.2691, 0.4843



12.5409, 0.3113, 0.3524



27.1897, 0.2996, 0.5984



1.4041, 0.2980, 0.5929

Inverse Universe

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



17.4972, 0.3261, 0.1591



28.1211, 0.3266, 0.1573



14.3373, 0.4879, 0.2503



11.3993, 0.3141, 0.3067



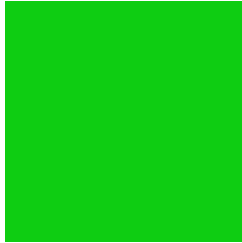
10.6913, 0.3265, 0.1572



0.5529, 0.3253, 0.1566

Previews

White Background



This preview shows how the Yxy color 43.7997, 0.2998, 0.5936 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 43.7997, 0.2998, 0.5936 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 43.7997, 0.2998, 0.5936

Background



This preview shows how black text looks on a background with the Yxy color 43.7997, 0.2998, 0.5936.



This preview shows how white text looks on a background with the Yxy color 43.7997, 0.2998, 0.5936.

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

43.7997, 0.2998, 0.5936

Protanopia

43.0564, 0.4404, 0.4885

Deuteranopia

42.6933, 0.4597, 0.4495



Tritanopia

43.7441, 0.2365, 0.3070

Trichromacy



Original Color

43.7997, 0.2998, 0.5936



Protanomaly

40.3813, 0.3666, 0.5449



Deuteranomaly

38.7958, 0.3784, 0.5182



Tritanomaly

42.2755, 0.2638, 0.4258

Monochromacy



Original Color

43.7997, 0.2998, 0.5936



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

26.1092, 0.3056, 0.4618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7997, 0.2998, 0.5936 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, 205, 18)` looks like.

```
.text, #text, p{  
    color:rgb(14, 205, 18)  
}
```

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, 205, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 205, 18) }
```

Border

The CSS property to change the border of an element to Yxy 43.7997, 0.2998, 0.5936 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, 205, 18) }
```

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

```
.border{ border-color:rgb(14, 205, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 205, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 205, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 205, 18);  
box-shadow:4px 4px 4px 4px rgb(14, 205,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7997, 0.2998, 0.5936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 205, 18) }
```

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

```
.background{ background-color: rgb(14, 205,  
18) }
```

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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