

Converting Colors

Yxy(46.9266, 0.3158, 0.5842)

Have a look what the booklet for
Yxy(46.9266, 0.3158, 0.5842)
contains.

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Color

Yxy(46.9272, 0.3159, 0.5840)

Conversions

Conversions Part 1

Format	Color
Hex	46D10B
RGB	70, 209, 11
RGB Percent	27%, 82%, 4%
CMY	0.7258, 0.1804, 0.9559
CMYK	0.67, 0.00, 0.95, 0.18
HSL	102°, 90%, 43%
HSV	102°, 95%, 82%
XYZ	25.3841, 46.9272, 8.0435
YIQ	144.8670, -19.2860, -91.0460

Conversions

Conversions Part 2

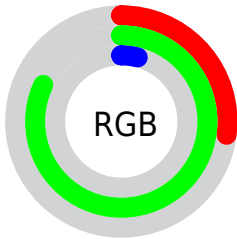
Format	Color
RYB	11, 209, 150
Decimal	4641035
CIELab	74.14, -66.56, 71.50
CIELCh	74, 97.684, 132.949
Yxy	46.9272, 0.3159, 0.5840
Android (android.graphics.Color)	4282831115 (0xFF46D10B)
YUV	144.8670, -65.9964, -65.6584
Hunter-Lab	68.5034, -53.7375, 40.9907

Details

The Yxy color **46.9272, 0.3159, 0.5840** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **11.3640, 0.2505, 0.1173**, and the grayscale version is **28.5426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4261, 0.3254, 0.5294**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.6297, 0.3133, 0.5894**, and if you desaturate by 10%, it is **47.6240, 0.3205, 0.5699**.

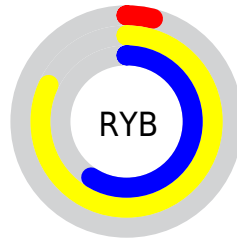
Distribution



Red (27%)

Green (82%)

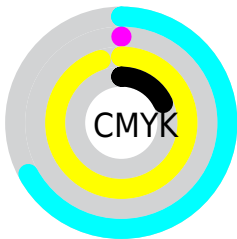
Blue (4%)



Red (4%)

Yellow (82%)

Blue (59%)

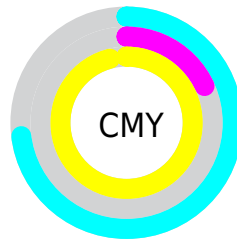


Cyan (67%)

Magenta (0%)

Yellow (95%)

Black (18%)



Cyan (73%)

Magenta (18%)

Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9272, 0.3159, 0.5840 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 46.9272, 0.3159, 0.5840 by changing the saturation by 10% instead.


 46.9272, 0.3159,
0.5840


 46.9272, 0.3159,
0.5840


 374.5239, 0.3268,
0.4498


 32.9781, 0.3083,
0.6163


 85.6049, 0.3234,
0.5353

 22.1097, 0.2956,
0.6557


 111.1024, 0.3251,
0.5168


 13.9375, 0.2761,
0.7075

 141.2181, 0.3262,
0.5012

 8.0772, 0.2396,
0.7604

 176.3364, 0.3267,
0.4879

 4.1444, 0.1813,
0.8187

 216.8417, 0.3270,
0.4764

 1.7547, 0.0000,
1.0000

 263.1185, 0.3270,

 0.4587, 0.0000,

0.4664

1.0000

315.5511, 0.3269,
0.4576

■ 0.0000, 0.0000,
0.0000

■ 46.9272, 0.3159,
0.5840

■ 46.9272, 0.3159,
0.5840

■ 46.6297, 0.3133,
0.5894

■ 47.6240, 0.3205,
0.5699

■ 48.5336, 0.3239,
0.5491

■ 49.6779, 0.3258,
0.5225

■ 51.0742, 0.3263,
0.4920

■ 52.7378, 0.3255,
0.4596

■ 54.6829, 0.3236,
0.4272

■ 56.9224, 0.3209,
0.3960

■ 59.4684, 0.3177,
0.3669

■ 62.3324, 0.3143,
0.3403

Harmonies

Analogous

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



46.9272, 0.4289, 0.5370



46.9272, 0.3159, 0.5840



46.9272, 0.2075, 0.4981

Triad

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



46.9272, 0.3159, 0.5840



46.9272, 0.1214, 0.1607



46.9272, 0.5204, 0.2837

Complementary

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



46.9272, 0.3159, 0.5840



11.3640, 0.2505, 0.1173

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.



46.9272, 0.3924, 0.2163



46.9272, 0.3159, 0.5840



46.9272, 0.1676, 0.1496

Square

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



46.9272, 0.3159, 0.5840



46.9272, 0.1101, 0.2133



46.9272, 0.2582, 0.1690



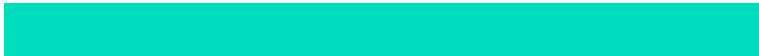
46.9272, 0.5673, 0.3596

Rectangle

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



46.9272, 0.3159, 0.5840



46.9272, 0.1537, 0.3850



46.9272, 0.2582, 0.1690



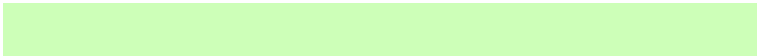
46.9272, 0.4837, 0.2599

Sweetspot

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



46.9292, 0.3159, 0.5840



87.9128, 0.3219, 0.4073



35.2922, 0.4791, 0.4543



18.4928, 0.3231, 0.4210



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.



46.9292, 0.3159, 0.5840



73.0429, 0.3127, 0.5899



45.9150, 0.2935, 0.5726



13.3738, 0.3160, 0.3527



28.7928, 0.3143, 0.5887



1.6510, 0.3285, 0.5774

Inverse Universe

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



11.3640, 0.2505, 0.1173



16.8434, 0.2456, 0.1127



16.6834, 0.3756, 0.1864



11.8256, 0.3091, 0.3058



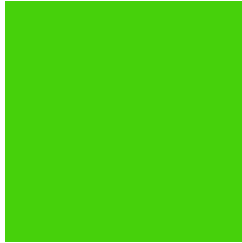
6.7151, 0.2475, 0.1137



0.4155, 0.2614, 0.1214

Previews

White Background



This preview shows how the Yxy color 46.9272, 0.3159, 0.5840 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 46.9272, 0.3159, 0.5840 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

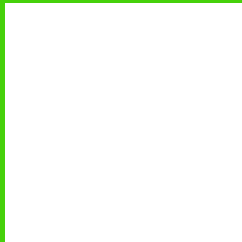
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9272, 0.3159, 0.5840

Background



This preview shows how black text looks on a background with the Yxy color 46.9272, 0.3159, 0.5840.



This preview shows how white text looks on a background with the Yxy color 46.9272, 0.3159, 0.5840.

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

46.9272, 0.3159, 0.5840

Protanopia

45.8851, 0.4408, 0.4882

Deuteranopia

46.0254, 0.4606, 0.4520



Tritanopia

46.4879, 0.2454, 0.3064

Trichromacy



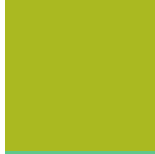
Original Color

46.9272, 0.3159, 0.5840



Protanomaly

44.2389, 0.3859, 0.5306



Deuteranomaly

43.3538, 0.3997, 0.5067



Tritanomaly

45.1147, 0.2804, 0.4255

Monochromacy



Original Color

46.9272, 0.3159, 0.5840



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.7013, 0.3257, 0.4515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9272, 0.3159, 0.5840 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(70, 209, 11)` looks like.

```
.text, #text, p{  
    color:rgb(70, 209, 11)  
}
```

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(70, 209, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 209, 11) }
```

Border

The CSS property to change the border of an element to Yxy 46.9272, 0.3159, 0.5840 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(70, 209, 11) }
```

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

```
.border{ border-color:rgb(70, 209, 11) }
```

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

Here you see how a box with a 4 pixel rgb(70, 209, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 209, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 209, 11);  
box-shadow:4px 4px 4px 4px rgb(70, 209,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9272, 0.3159, 0.5840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 209, 11) }
```

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

```
.background{ background-color: rgb(70, 209,  
11) }
```

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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