

Converting Colors

Yxy(41.7742, 0.3148, 0.5838)

Have a look what the booklet for
Yxy(41.7742, 0.3148, 0.5838)
contains.

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Color

Yxy(41.9659, 0.3146, 0.5839)

Conversions

Conversions Part 1

Format	Color
Hex	40C70D
RGB	64, 199, 13
RGB Percent	25%, 78%, 5%
CMY	0.7491, 0.2196, 0.9483
CMYK	0.68, 0.00, 0.93, 0.22
HSL	104°, 88%, 42%
HSV	104°, 93%, 78%
XYZ	22.6108, 41.9659, 7.2950
YIQ	137.4310, -20.7540, -86.4660

Conversions

Conversions Part 2

Format	Color
RYB	13, 199, 148
Decimal	4245261
CIELab	70.85, -64.53, 68.51
CIELCh	71, 94.114, 133.289
Yxy	41.9659, 0.3146, 0.5839
Android (android.graphics.Color)	4282435341 (0xFF40C70D)
YUV	137.4310, -61.3445, -64.3990
Hunter-Lab	64.7811, -51.0642, 38.6701

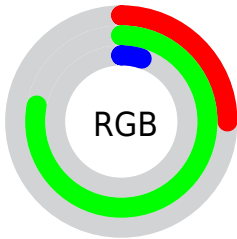
Details

The Yxy color **41.9659, 0.3146, 0.5839** 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 **10.7309, 0.2570, 0.1215**, and the grayscale version is **25.4392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9059, 0.3228, 0.5331**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.6441, 0.3116, 0.5908**, and if you desaturate by 10%, it is **42.5975, 0.3189, 0.5688**.

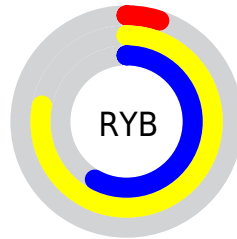
Distribution



Red (25%)

Green (78%)

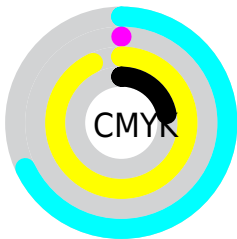
Blue (5%)



Red (5%)

Yellow (78%)

Blue (58%)

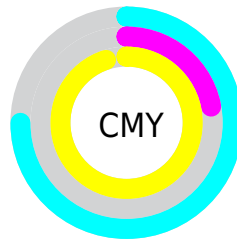


Cyan (68%)

Magenta (0%)

Yellow (93%)

Black (22%)



Cyan (75%)


Magenta (22%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9659, 0.3146, 0.5839 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 41.9659, 0.3146, 0.5839 by changing the saturation by 10% instead.


 41.9659, 0.3146,
0.5839


 41.9659, 0.3146,
0.5839


354.3416, 0.3259,
0.4471


 29.0746, 0.3065,
0.6177


 78.1480, 0.3224,
0.5336


 19.1373, 0.2928,
0.6593


 102.2076, 0.3242,
0.5147


 11.7695, 0.2731,
0.7187


 130.7588, 0.3253,
0.4988

 6.5869, 0.2304,
0.7696

 164.1858, 0.3258,
0.4853

 3.2051, 0.1617,
0.8383

 202.8733, 0.3261,
0.4737

 1.2397, 0.0000,
1.0000

 247.2054, 0.3262,

 0.0938, 0.0000,

0.4637

1.0000

297.5667, 0.3261,
0.4549

■ 0.0000, 0.0000,
0.0000

■ 41.9659, 0.3146,
0.5839

■ 41.9659, 0.3146,
0.5839

■ 41.6441, 0.3116,
0.5908

■ 42.5975, 0.3189,
0.5688


■ 43.4278, 0.3221,
0.5469


■ 44.4767, 0.3239,
0.5195


■ 45.7601, 0.3244,
0.4884

■ 47.2921, 0.3237,
0.4557

 49.0857, 0.3220,
0.4232

 51.1530, 0.3196,
0.3922

 53.5052, 0.3168,
0.3634

 56.1530, 0.3138,
0.3372

Harmonies

Analogous

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



41.9659, 0.4277, 0.5380



41.9659, 0.3146, 0.5839



41.9659, 0.2064, 0.4964

Triad

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



41.9659, 0.3146, 0.5839



41.9659, 0.1217, 0.1604



41.9659, 0.5215, 0.2845

Complementary

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



41.9659, 0.3146, 0.5839



10.7309, 0.2570, 0.1215

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.



41.9659, 0.3940, 0.2170



41.9659, 0.3146, 0.5839



41.9659, 0.1683, 0.1496

Square

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



41.9659, 0.3146, 0.5839



41.9659, 0.1101, 0.2124



41.9659, 0.2595, 0.1694



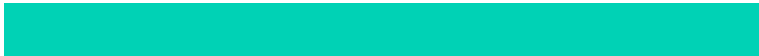
41.9659, 0.5672, 0.3605

Rectangle

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



41.9659, 0.3146, 0.5839



41.9659, 0.1530, 0.3831



41.9659, 0.2595, 0.1694



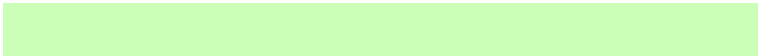
41.9659, 0.4851, 0.2607

Sweetspot

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



41.9677, 0.3146, 0.5839



87.6775, 0.3209, 0.4076



32.8396, 0.4734, 0.4578



18.4376, 0.3219, 0.4214



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.



41.9677, 0.3146, 0.5839



72.8117, 0.3108, 0.5914



41.1966, 0.2923, 0.5667



12.0258, 0.3156, 0.3526



26.8148, 0.3125, 0.5901



1.3067, 0.3287, 0.5772

Inverse Universe

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



10.7309, 0.2570, 0.1215



17.5693, 0.2513, 0.1158



14.9295, 0.3796, 0.1893



10.6652, 0.3095, 0.3059



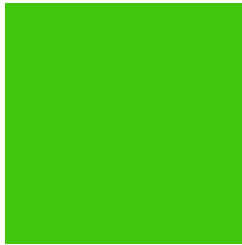
6.5438, 0.2533, 0.1169



0.3444, 0.2680, 0.1250

Previews

White Background



This preview shows how the Yxy color 41.9659, 0.3146, 0.5839 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 41.9659, 0.3146, 0.5839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

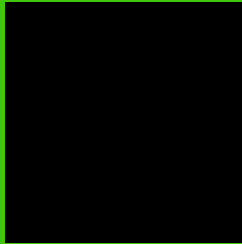
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9659, 0.3146, 0.5839

Background



This preview shows how black text looks on a background with the Yxy color 41.9659, 0.3146, 0.5839.



This preview shows how white text looks on a background with the Yxy color 41.9659, 0.3146, 0.5839.

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

41.9659, 0.3146, 0.5839

Deuteranopia

40.9752, 0.4605, 0.4506

Tritanopia

41.6928, 0.2447, 0.3068

Trichromacy



Original Color

41.9659, 0.3146, 0.5839

Deuteranomaly

38.7375, 0.3984, 0.5061

Tritanomaly

40.5676, 0.2788, 0.4251

Monochromacy



Original Color

41.9659, 0.3146, 0.5839

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

29.2293, 0.3229, 0.4509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9659, 0.3146, 0.5839 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(64, 199, 13)` looks like.

```
.text, #text, p{  
    color:rgb(64, 199, 13)  
}
```

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(64, 199, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 199, 13) }
```

Border

The CSS property to change the border of an element to Yxy 41.9659, 0.3146, 0.5839 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(64, 199, 13) }
```

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

```
.border{ border-color:rgb(64, 199, 13) }
```

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

Here you see how a box with a 4 pixel rgb(64, 199, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 199, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 199, 13);  
box-shadow:4px 4px 4px 4px rgb(64, 199,  
13) }
```

Background

The CSS property to change the background color of an element to Yxy 41.9659, 0.3146, 0.5839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 199, 13) }
```

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

```
.background{ background-color: rgb(64, 199,  
13) }
```

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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