

Converting Colors

$Y_{xy}(41.8500, 0.3655, 0.5430)$

Have a look what the booklet for
Yxy(41.8500, 0.3655, 0.5430)
contains.

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Color

Yxy(41.8479, 0.3656, 0.5430)

Conversions

Conversions Part 1

Format	Color
Hex	85BE0F
RGB	133, 190, 15
RGB Percent	52%, 75%, 6%
CMY	0.4783, 0.2549, 0.9412
CMYK	0.30, 0.00, 0.92, 0.25
HSL	80°, 85%, 40%
HSV	80°, 92%, 75%
XYZ	28.1760, 41.8479, 7.0440
YIQ	153.0070, 22.2030, -66.5090

Conversions

Conversions Part 2

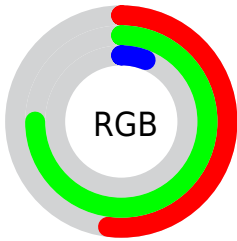
Format	Color
RYB	15, 190, 72
Decimal	8764943
CIELab	70.77, -40.60, 69.31
CIElCh	71, 80.326, 120.363
Yxy	41.8479, 0.3656, 0.5430
Android (android.graphics.Color)	4286955023 (0xFF85BE0F)
YUV	153.0070, -68.0375, -17.5461
Hunter-Lab	64.6900, -35.4608, 38.8270

Details

The Yxy color **41.8479, 0.3656, 0.5430** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **5.4362, 0.1820, 0.0815**, and the grayscale version is **32.1571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2380, 0.3633, 0.5044**, and **19.1448, 0.3466, 0.5630** is the 20% darker color. If you saturate the color by 10%, you get **41.4267, 0.3629, 0.5500**, and if you desaturate by 10%, it is **42.4493, 0.3673, 0.5307**.

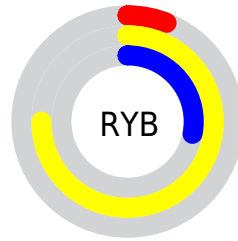
Distribution



Red (52%)

Green (75%)

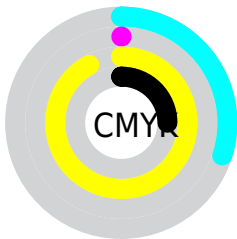
Blue (6%)



Red (6%)

Yellow (75%)

Blue (28%)

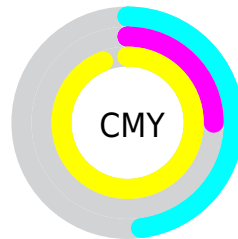


Cyan (30%)

Magenta (0%)

Yellow (92%)

Black (25%)



Cyan (48%)


Magenta (25%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8479, 0.3656, 0.5430 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 41.8479, 0.3656, 0.5430 by changing the saturation by 10% instead.


 41.8479, 0.3656,
0.5430


 41.8479, 0.3656,
0.5430


353.8520, 0.3493,
0.4332


 28.9822, 0.3648,
0.5684

 77.9694, 0.3631,
0.5039


 19.0674, 0.3605,
0.5985


 101.9940, 0.3610,
0.4889


 11.7190, 0.3541,
0.6421


 130.5070, 0.3589,
0.4760

 6.5526, 0.3262,
0.6738

 163.8928, 0.3568,
0.4650

 3.1839, 0.2811,
0.7189

 202.5358, 0.3548,
0.4554

 1.2285, 0.1034,
0.8966

 246.8204, 0.3528,

 0.0848, 0.0000,

0.4471

1.0000

297.1310, 0.3510,
0.4397

■ 0.0000, 0.0000,
0.0000

■ 41.8479, 0.3656,
0.5430

■ 41.8479, 0.3656,
0.5430

■ 41.4267, 0.3629,
0.5500

■ 42.4493, 0.3673,
0.5307

■ 43.1396, 0.3666,
0.5135

■ 43.9297, 0.3635,
0.4920

■ 44.8276, 0.3582,
0.4673

■ 45.8401, 0.3511,
0.4406

■ 46.9733, 0.3427,
0.4130

■ 48.2329, 0.3336,
0.3856

■ 49.6241, 0.3242,
0.3591

■ 51.1519, 0.3147,
0.3340

Harmonies

Analogous

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



41.8479, 0.4607, 0.4867



41.8479, 0.3656, 0.5430



41.8479, 0.2632, 0.5147

Triad

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



41.8479, 0.3656, 0.5430



41.8479, 0.1327, 0.1955



41.8479, 0.4506, 0.2644

Complementary

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



41.8479, 0.3656, 0.5430



5.4362, 0.1820, 0.0815

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.



41.8479, 0.3312, 0.2085



41.8479, 0.3656, 0.5430



41.8479, 0.1616, 0.1693

Square

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



41.8479, 0.3656, 0.5430



41.8479, 0.1370, 0.2665



41.8479, 0.2269, 0.1752



41.8479, 0.5269, 0.3329

Rectangle

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



41.8479, 0.3656, 0.5430



41.8479, 0.2036, 0.4374



41.8479, 0.2269, 0.1752



41.8479, 0.4124, 0.2439

Sweetspot

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



41.8498, 0.3656, 0.5430



85.9298, 0.3395, 0.4029



15.4146, 0.5721, 0.3747



18.6582, 0.3434, 0.4150



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.8498, 0.3656, 0.5430



74.9323, 0.3621, 0.5507



37.4672, 0.3084, 0.5874



10.9606, 0.3215, 0.3520



27.5908, 0.3637, 0.5494



1.1147, 0.3774, 0.5385

Inverse Universe

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



5.4362, 0.1820, 0.0815



8.4654, 0.1719, 0.0720



11.3201, 0.2786, 0.1339



9.3721, 0.3033, 0.3056



3.1881, 0.1745, 0.0735



0.1611, 0.2028, 0.0891

Previews

White Background



This preview shows how the Yxy color 41.8479, 0.3656, 0.5430 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 41.8479, 0.3656, 0.5430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

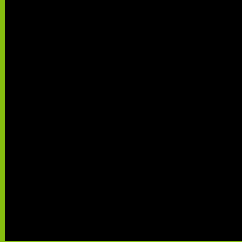
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8479, 0.3656, 0.5430

Background



This preview shows how black text looks on a background with the Yxy color 41.8479, 0.3656, 0.5430.



This preview shows how white text looks on a background with the Yxy color 41.8479, 0.3656, 0.5430.

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

41.8479, 0.3656, 0.5430

Protanopia

41.4892, 0.4407, 0.4883

Deuteranopia

41.4426, 0.4627, 0.4540



Tritanopia

41.7852, 0.2806, 0.3094

Trichromacy



Original Color

41.8479, 0.3656, 0.5430

Protanomaly

41.0218, 0.4120, 0.5096

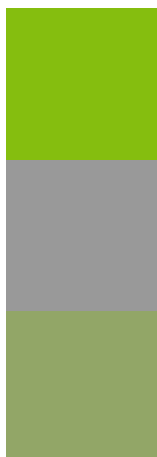
Deuteranomaly

40.4200, 0.4268, 0.4869

Tritanomaly

40.9175, 0.3230, 0.4122

Monochromacy



Original Color

41.8479, 0.3656, 0.5430

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

34.3627, 0.3480, 0.4280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8479, 0.3656, 0.5430 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(133, 190, 15)` looks like.

```
.text, #text, p{  
    color:rgb(133, 190, 15)  
}
```

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(133, 190, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 190, 15) }
```

Border

The CSS property to change the border of an element to Yxy 41.8479, 0.3656, 0.5430 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(133, 190, 15) }
```

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

```
.border{ border-color:rgb(133, 190, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 190, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 190, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 190, 15);  
box-shadow:4px 4px 4px 4px rgb(133, 190,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8479, 0.3656, 0.5430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 190, 15) }
```

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

```
.background{ background-color: rgb(133,  
190, 15) }
```

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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