

Converting Colors

$Y_{xy}(46.0645, 0.3656, 0.5048)$

Have a look what the booklet for
Yxy(46.0645, 0.3656, 0.5048)
contains.

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Color

Yxy(46.0645, 0.3656, 0.5048)

Conversions

Conversions Part 1

Format	Color
Hex	98C33F
RGB	152, 195, 63
RGB Percent	60%, 76%, 25%
CMY	0.4039, 0.2353, 0.7532
CMYK	0.22, 0.00, 0.68, 0.24
HSL	80°, 52%, 51%
HSV	80°, 68%, 76%
XYZ	33.3621, 46.0645, 11.8264
YIQ	167.0950, 16.7440, -50.1680

Conversions

Conversions Part 2

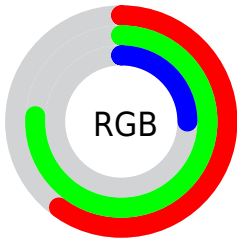
Format	Color
RYB	63, 195, 106
Decimal	10011455
CIELab	73.59, -33.45, 59.04
CIELCh	74, 67.854, 119.536
Yxy	46.0645, 0.3656, 0.5048
Android (android.graphics.Color)	4288201535 (0xFF98C33F)
YUV	167.0950, -51.3188, -13.2383
Hunter-Lab	67.8708, -31.0318, 37.1784

Details

The Yxy color **46.0645, 0.3656, 0.5048** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **10.5485, 0.2172, 0.1305**, and the grayscale version is **38.9407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4605, 0.3603, 0.4731**, and **21.5911, 0.3664, 0.5473** is the 20% darker color. If you saturate the color by 10%, you get **45.2897, 0.3674, 0.5239**, and if you desaturate by 10%, it is **46.9533, 0.3615, 0.4818**.

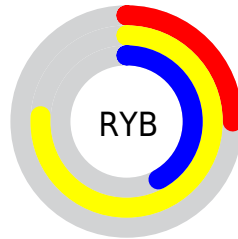
Distribution



Red (60%)

Green (76%)

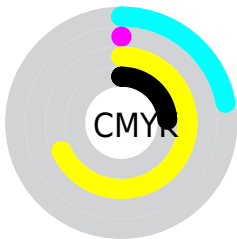
Blue (25%)



Red (25%)

Yellow (76%)

Blue (42%)

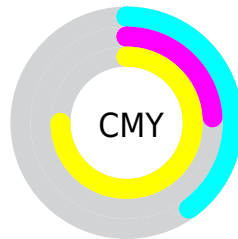


Cyan (22%)

Magenta (0%)

Yellow (68%)

Black (24%)



Cyan (40%)

Magenta (24%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0645, 0.3656, 0.5048 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 46.0645, 0.3656, 0.5048 by changing the saturation by 10% instead.


 46.0645, 0.3656,
0.5048

 46.0645, 0.3656,
0.5048

371.0679, 0.3455,
0.4150


 32.2967, 0.3677,
0.5263


 84.3155, 0.3603,
0.4725


 21.5882, 0.3684,
0.5527


 109.5676, 0.3577,
0.4602

 13.5547, 0.3659,
0.5851


 139.4165, 0.3552,
0.4498

 7.8116, 0.3632,
0.6368

 174.2466, 0.3529,
0.4408

 3.9746, 0.3306,
0.6694

 214.4425, 0.3508,
0.4330

 1.6594, 0.2698,
0.7302

260.3884, 0.3489,

 0.3971, 0.0000,

0.4263

1.0000

312.4687, 0.3471,
0.4203

■ 0.0000, 0.0000,
0.0000

■ 46.0645, 0.3656,
0.5048

■ 46.0645, 0.3656,
0.5048

■ 45.2897, 0.3674,
0.5239

■ 46.9533, 0.3615,
0.4818

■ 44.6137, 0.3666,
0.5384

■ 47.9579, 0.3553,
0.4560

■ 44.0255, 0.3637,
0.5481

■ 49.0872, 0.3476,
0.4287

■ 43.8990, 0.3629,
0.5501

■ 50.3476, 0.3389,
0.4010

■ 51.7449, 0.3295,
0.3739

■ 53.2844, 0.3200,
0.3479

■ 54.9715, 0.3106,
0.3236

■ 56.8107, 0.3015,
0.3012

■ 58.8067, 0.2928,
0.2807

Harmonies

Analogous

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



46.0645, 0.4447, 0.4659



46.0645, 0.3656, 0.5048



46.0645, 0.2776, 0.4780

Triad

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



46.0645, 0.3656, 0.5048



46.0645, 0.1571, 0.2187



46.0645, 0.4238, 0.2743

Complementary

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



46.0645, 0.3656, 0.5048



10.5485, 0.2172, 0.1305

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.



46.0645, 0.3267, 0.2252



46.0645, 0.3656, 0.5048



46.0645, 0.1823, 0.1926

Square

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



46.0645, 0.3656, 0.5048



46.0645, 0.1633, 0.2826



46.0645, 0.2394, 0.1963



46.0645, 0.4887, 0.3356

Rectangle

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



46.0645, 0.3656, 0.5048



46.0645, 0.2254, 0.4190



46.0645, 0.2394, 0.1963



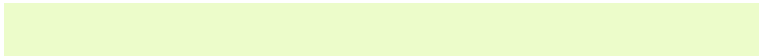
46.0645, 0.3927, 0.2561

Sweetspot

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



46.0666, 0.3656, 0.5048



92.0016, 0.3320, 0.3808



22.0152, 0.4911, 0.3803



19.9888, 0.3347, 0.3886



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.



46.0666, 0.3656, 0.5048



80.5422, 0.3673, 0.5311



41.4232, 0.3156, 0.5367



11.5887, 0.3216, 0.3521



28.5782, 0.3636, 0.5495



1.2707, 0.3764, 0.5393

Inverse Universe

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



10.5485, 0.2172, 0.1305



12.7807, 0.1946, 0.0968



16.1233, 0.2903, 0.1650



9.9036, 0.3033, 0.3056



3.2987, 0.1744, 0.0734



0.1804, 0.2004, 0.0878

Previews

White Background



This preview shows how the Yxy color 46.0645, 0.3656, 0.5048 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 46.0645, 0.3656, 0.5048 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 46.0645, 0.3656, 0.5048

Background



This preview shows how black text looks on a background with the Yxy color 46.0645, 0.3656, 0.5048.



This preview shows how white text looks on a background with the Yxy color 46.0645, 0.3656, 0.5048.

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

46.0645, 0.3656, 0.5048

Protanopia

45.9201, 0.4235, 0.4667

Deuteranopia

45.4280, 0.4459, 0.4362



Tritanopia

45.8119, 0.2899, 0.3092

Trichromacy



Original Color

46.0645, 0.3656, 0.5048

Protanomaly

45.6344, 0.4021, 0.4811

Deuteranomaly

45.0656, 0.4159, 0.4611

Tritanomaly

45.3601, 0.3218, 0.3839

Monochromacy



Original Color

46.0645, 0.3656, 0.5048

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.7106, 0.3387, 0.3987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0645, 0.3656, 0.5048 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(152, 195, 63)` looks like.

```
.text, #text, p{  
    color:rgb(152, 195, 63)  
}
```

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(152, 195, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 195, 63) }
```

Border

The CSS property to change the border of an element to Yxy 46.0645, 0.3656, 0.5048 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(152, 195, 63) }
```

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

```
.border{ border-color:rgb(152, 195, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 195, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 195, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 195, 63);  
box-shadow:4px 4px 4px 4px rgb(152, 195,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0645, 0.3656, 0.5048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 195, 63) }
```

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

```
.background{ background-color: rgb(152,  
195, 63) }
```

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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