

Converting Colors

$Yxy(46.5135, 0.3506, 0.4804)$

Have a look what the booklet for
Yxy(46.5135, 0.3506, 0.4804)
contains.

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Color

Yxy(46.6685, 0.3506, 0.4802)

Conversions

Conversions Part 1

Format	Color
Hex	96C458
RGB	150, 196, 88
RGB Percent	59%, 77%, 35%
CMY	0.4119, 0.2313, 0.6549
CMYK	0.23, 0.00, 0.55, 0.23
HSL	86°, 48%, 56%
HSV	86°, 55%, 77%
XYZ	34.0733, 46.6685, 16.4438
YIQ	169.9340, 7.2520, -43.3400

Conversions

Conversions Part 2

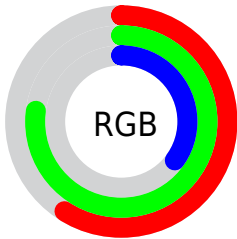
Format	Color
RYB	88, 196, 134
Decimal	9880664
CIELab	73.98, -32.64, 48.63
CIElCh	74, 58.566, 123.873
Yxy	46.6685, 0.3506, 0.4802
Android (android.graphics.Color)	4288070744 (0xFF96C458)
YUV	169.9340, -40.3935, -17.4821
Hunter-Lab	68.3143, -30.5194, 33.5485

Details

The Yxy color **46.6685, 0.3506, 0.4802** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **16.0383, 0.2493, 0.1717**, and the grayscale version is **40.3633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2955, 0.3461, 0.4515**, and **21.9541, 0.3541, 0.5252** is the 20% darker color. If you saturate the color by 10%, you get **45.6237, 0.3536, 0.5060**, and if you desaturate by 10%, it is **47.8613, 0.3457, 0.4522**.

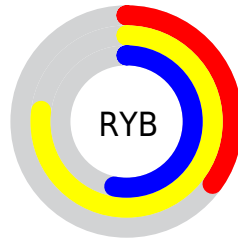
Distribution



Red (59%)

Green (77%)

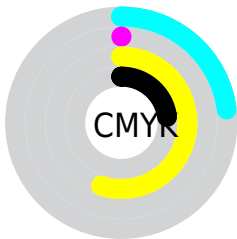
Blue (35%)



Red (35%)

Yellow (77%)

Blue (53%)

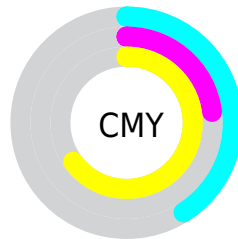


Cyan (23%)

Magenta (0%)

Yellow (55%)

Black (23%)



Cyan (41%)


Magenta (23%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6685, 0.3506, 0.4802 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 46.6685, 0.3506, 0.4802 by changing the saturation by 10% instead.


 46.6685, 0.3506,
0.4802

 46.6685, 0.3506,
0.4802


373.4898, 0.3357,
0.4019

 32.7737, 0.3525,
0.4998


 85.2186, 0.3464,
0.4515


 21.9531, 0.3537,
0.5247


 110.6426, 0.3445,
0.4407

 13.8225, 0.3530,
0.5568


 140.6785, 0.3427,
0.4317

 7.9973, 0.3481,
0.5997

 175.7107, 0.3410,
0.4239

 4.0932, 0.3361,
0.6639

216.1235, 0.3395,
0.4173

 1.7258, 0.2808,
0.7192

262.3013, 0.3381,

 0.4403, 0.0000,

0.4115

1.0000

314.6286, 0.3369,
0.4064

■ 0.0000, 0.0000,
0.0000

■ 46.6685, 0.3506,
0.4802

■ 46.6685, 0.3506,
0.4802

■ 45.6237, 0.3536,
0.5060

■ 47.8613, 0.3457,
0.4522

■ 44.7123, 0.3545,
0.5282

■ 49.2035, 0.3395,
0.4234

■ 43.9269, 0.3529,
0.5457

■ 50.7039, 0.3323,
0.3948

■ 43.2562, 0.3492,
0.5580

■ 52.3690, 0.3246,
0.3673

■ 42.9594, 0.3469,
0.5628

■ 54.2047, 0.3167,
0.3414

■ 56.2168, 0.3089,
0.3176

■ 58.4105, 0.3014,
0.2958

■ 60.7910, 0.2942,
0.2762

■ 62.7420, 0.2935,
0.2673

Harmonies

Analogous

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



46.6685, 0.4217, 0.4576



46.6685, 0.3506, 0.4802



46.6685, 0.2735, 0.4454

Triad

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



46.6685, 0.3506, 0.4802



46.6685, 0.1762, 0.2280



46.6685, 0.4190, 0.2894

Complementary

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



46.6685, 0.3506, 0.4802



16.0383, 0.2493, 0.1717

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.



46.6685, 0.3379, 0.2428



46.6685, 0.3506, 0.4802



46.6685, 0.2033, 0.2074

Square

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



46.6685, 0.3506, 0.4802



46.6685, 0.1783, 0.2804



46.6685, 0.2589, 0.2137



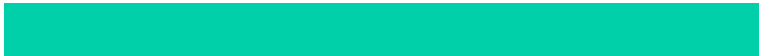
46.6685, 0.4686, 0.3459

Rectangle

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



46.6685, 0.3506, 0.4802



46.6685, 0.2292, 0.3928



46.6685, 0.2589, 0.2137



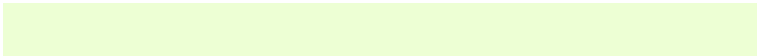
46.6685, 0.3938, 0.2723

Sweetspot

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



46.6706, 0.3506, 0.4802



94.1772, 0.3263, 0.3731



29.2186, 0.4373, 0.3882



20.0237, 0.3279, 0.3786



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.



46.6706, 0.3506, 0.4802



82.3000, 0.3540, 0.5106



42.7319, 0.3101, 0.5012



11.5376, 0.3201, 0.3522



27.6507, 0.3478, 0.5620



1.2347, 0.3636, 0.5495

Inverse Universe

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



16.0383, 0.2493, 0.1717



21.3038, 0.2317, 0.1385



21.5318, 0.3084, 0.1956



9.9532, 0.3048, 0.3057



3.8078, 0.1899, 0.0820



0.2051, 0.2159, 0.0963

Previews

White Background



This preview shows how the Yxy color 46.6685, 0.3506, 0.4802 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 46.6685, 0.3506, 0.4802 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 46.6685, 0.3506, 0.4802

Background



This preview shows how black text looks on a background with the Yxy color 46.6685, 0.3506, 0.4802.



This preview shows how white text looks on a background with the Yxy color 46.6685, 0.3506, 0.4802.

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

46.6685, 0.3506, 0.4802

Protanopia

46.0898, 0.4090, 0.4470

Deuteranopia

46.2249, 0.4267, 0.4189



Tritanopia

46.4038, 0.2863, 0.3092

Trichromacy



Original Color

46.6685, 0.3506, 0.4802

Protanomaly

45.7188, 0.3864, 0.4590

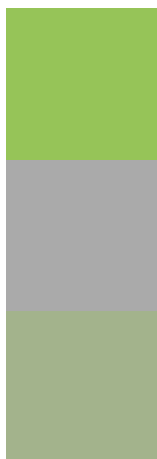
Deuteranomaly

45.5562, 0.3982, 0.4401

Tritanomaly

45.9432, 0.3116, 0.3696

Monochromacy



Original Color

46.6685, 0.3506, 0.4802

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.9202, 0.3302, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6685, 0.3506, 0.4802 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(150, 196, 88)` looks like.

```
.text, #text, p{  
    color:rgb(150, 196, 88)  
}
```

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(150, 196, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 196, 88) }
```

Border

The CSS property to change the border of an element to Yxy 46.6685, 0.3506, 0.4802 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(150, 196, 88) }
```

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

```
.border{ border-color:rgb(150, 196, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 196, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 196, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 196, 88);  
box-shadow:4px 4px 4px 4px rgb(150, 196,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6685, 0.3506, 0.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 196, 88) }
```

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

```
.background{ background-color: rgb(150,  
196, 88) }
```

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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