

Converting Colors

$Y_{xy}(46.8722, 0.3513, 0.4339)$

Have a look what the booklet for
Yxy(46.8722, 0.3513, 0.4339)
contains.

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Color

Yxy(46.8242, 0.3508, 0.4337)

Conversions

Conversions Part 1

Format	Color
Hex	A8BF73
RGB	168, 191, 115
RGB Percent	66%, 75%, 45%
CMY	0.3412, 0.2510, 0.5489
CMYK	0.12, 0.00, 0.40, 0.25
HSL	78°, 37%, 60%
HSV	78°, 40%, 75%
XYZ	37.8739, 46.8242, 23.2663
YIQ	175.4590, 10.6880, -28.5120

Conversions

Conversions Part 2

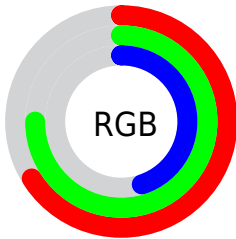
Format	Color
RYB	115, 191, 138
Decimal	11059059
CIELab	74.08, -20.33, 35.74
CIELCh	74, 41.114, 119.634
Yxy	46.8242, 0.3508, 0.4337
Android (android.graphics.Color)	4289249139 (0xFFA8BF73)
YUV	175.4590, -29.8063, -6.5415
Hunter-Lab	68.4282, -20.9524, 27.7405

Details

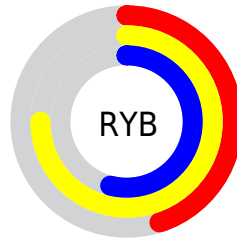
The Yxy color **46.8242, 0.3508, 0.4337** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **21.4330, 0.2615, 0.2154**, and the grayscale version is **43.2750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1960, 0.3450, 0.4136**, and **22.2034, 0.3588, 0.4655** is the 20% darker color. If you saturate the color by 10%, you get **45.8103, 0.3586, 0.4604**, and if you desaturate by 10%, it is **47.9616, 0.3418, 0.4063**.

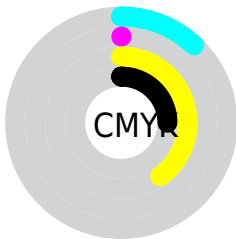
Distribution



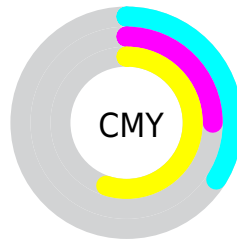
- Red (66%)
- Green (75%)
- Blue (45%)



- Red (45%)
- Yellow (75%)
- Blue (54%)



- Cyan (12%)
- Magenta (0%)
- Yellow (40%)
- Black (25%)





- Cyan (34%)
- Magenta (25%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8242, 0.3508, 0.4337 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 46.8242, 0.3508, 0.4337 by changing the saturation by 10% instead.

 46.8242, 0.3508,
0.4337


 46.8242, 0.3508,
0.4337


374.1124, 0.3335,
0.3799


 32.8967, 0.3544,
0.4473


 85.4511, 0.3450,
0.4139

 22.0473, 0.3584,
0.4648


 110.9194, 0.3427,
0.4066

 13.8917, 0.3629,
0.4879


 141.0033, 0.3406,
0.4004

 8.0454, 0.3668,
0.5193

176.0874, 0.3388,
0.3951

 4.1240, 0.3729,
0.5712

216.5559, 0.3373,
0.3905

 1.7432, 0.3630,
0.6370

262.7933, 0.3359,

 0.4514, 0.0000,

0.3865

1.0000

315.1840, 0.3346,
0.3830

0.0000, 0.0000,
0.0000

46.8242, 0.3508,
0.4337

46.8242, 0.3508,
0.4337

45.8103, 0.3586,
0.4604

47.9616, 0.3418,
0.4063

44.9077, 0.3648,
0.4853

49.2217, 0.3322,
0.3792

44.1117, 0.3689,
0.5071


50.6119, 0.3223,
0.3531

43.4148, 0.3705,
0.5249


52.1370, 0.3125,
0.3285

42.8082, 0.3696,
0.5380


53.8014, 0.3030,
0.3057


 42.2752, 0.3668,
0.5469

 55.6095, 0.2939,
0.2847

 42.2640, 0.3667,
0.5470

 57.5654, 0.2854,
0.2657

 58.8195, 0.2855,
0.2604

 59.7066, 0.2897,
0.2612

Harmonies

Analogous

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



46.8242, 0.3993, 0.4192



46.8242, 0.3508, 0.4337



46.8242, 0.2946, 0.4131

Triad

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



46.8242, 0.3508, 0.4337



46.8242, 0.2107, 0.2615



46.8242, 0.3803, 0.2959

Complementary

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



46.8242, 0.3508, 0.4337



21.4330, 0.2615, 0.2154

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.



46.8242, 0.3232, 0.2616



46.8242, 0.3508, 0.4337



46.8242, 0.2285, 0.2409

Square

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



46.8242, 0.3508, 0.4337



46.8242, 0.2165, 0.3043



46.8242, 0.2679, 0.2419



46.8242, 0.4192, 0.3387

Rectangle

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



46.8242, 0.3508, 0.4337



46.8242, 0.2604, 0.3811



46.8242, 0.2679, 0.2419



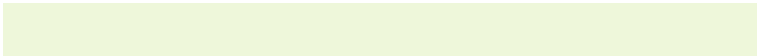
46.8242, 0.3623, 0.2832

Sweetspot

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



46.8263, 0.3508, 0.4337



90.0204, 0.3247, 0.3593



30.4389, 0.3986, 0.3606



19.6941, 0.3260, 0.3627



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.



46.8263, 0.3508, 0.4337



82.2188, 0.3579, 0.4577



43.2647, 0.3187, 0.4452



10.9716, 0.3219, 0.3520



27.8176, 0.3674, 0.5465



1.1223, 0.3803, 0.5362

Inverse Universe

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



21.4330, 0.2615, 0.2154



30.2916, 0.2468, 0.1866



25.2351, 0.3008, 0.2273



9.3617, 0.3030, 0.3056



3.0973, 0.1716, 0.0719



0.1566, 0.1995, 0.0873

Previews

White Background



This preview shows how the Yxy color 46.8242, 0.3508, 0.4337 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 46.8242, 0.3508, 0.4337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

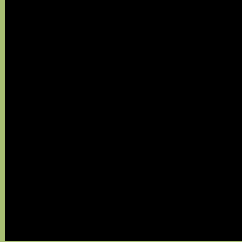
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8242, 0.3508, 0.4337

Background



This preview shows how black text looks on a background with the Yxy color 46.8242, 0.3508, 0.4337.



This preview shows how white text looks on a background with the Yxy color 46.8242, 0.3508, 0.4337.

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

46.8242, 0.3508, 0.4337

Protanopia

46.7457, 0.3864, 0.4186

Deuteranopia

46.5094, 0.4021, 0.3947



Tritanopia

46.6170, 0.2994, 0.3097

Trichromacy



Original Color

46.8242, 0.3508, 0.4337

Protanomaly

46.5591, 0.3738, 0.4243

Deuteranomaly

46.2299, 0.3828, 0.4076

Tritanomaly

46.6019, 0.3183, 0.3532

Monochromacy



Original Color

46.8242, 0.3508, 0.4337

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.1183, 0.3274, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8242, 0.3508, 0.4337 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(168, 191, 115)` looks like.

```
.text, #text, p{  
    color:rgb(168, 191, 115)  
}
```

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(168, 191, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 191, 115) }
```

Border

The CSS property to change the border of an element to Yxy 46.8242, 0.3508, 0.4337 is called "border". The border property can be set on classes, ids or directly on the HTML element.

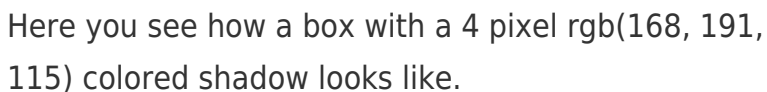
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 191, 115) }
```

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

```
.border{ border-color:rgb(168, 191, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 191, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 191, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 191, 115); box-shadow:4px 4px 4px 4px rgb(168, 191, 115) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8242, 0.3508, 0.4337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 191, 115) }
```

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

```
.background{ background-color: rgb(168,  
191, 115) }
```

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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