

Converting Colors

$Yxy(46.6551, 0.3571, 0.4442)$

Have a look what the booklet for
Yxy(46.6551, 0.3571, 0.4442)
contains.

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Color

Yxy(46.7582, 0.3573, 0.4438)

Conversions

Conversions Part 1

Format	Color
Hex	A9BF6B
RGB	169, 191, 107
RGB Percent	66%, 75%, 42%
CMY	0.3373, 0.2509, 0.5803
CMYK	0.12, 0.00, 0.44, 0.25
HSL	76°, 40%, 58%
HSV	76°, 44%, 75%
XYZ	37.6447, 46.7582, 20.9558
YIQ	174.8460, 13.8520, -30.7880

Conversions

Conversions Part 2

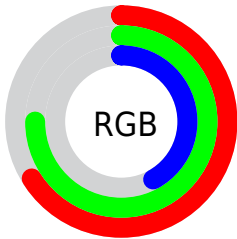
Format	Color
RYB	107, 191, 129
Decimal	11124587
CIELab	74.03, -20.89, 39.76
CIELCh	74, 44.914, 117.718
Yxy	46.7582, 0.3573, 0.4438
Android (android.graphics.Color)	4289314667 (0xFFA9BF6B)
YUV	174.8460, -33.4481, -5.1269
Hunter-Lab	68.3800, -21.3968, 29.6959

Details

The Yxy color **46.7582, 0.3573, 0.4438** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.9522, 0.2514, 0.2008**, and the grayscale version is **42.9571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0671, 0.3503, 0.4218**, and **22.1172, 0.3652, 0.4781** is the 20% darker color. If you saturate the color by 10%, you get **45.8581, 0.3652, 0.4692**, and if you desaturate by 10%, it is **47.7725, 0.3480, 0.4171**.

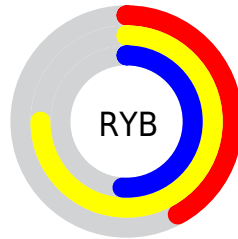
Distribution



Red (66%)

Green (75%)

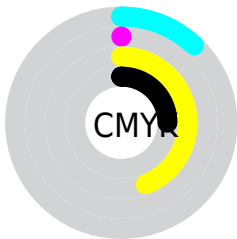
Blue (42%)



Red (42%)

Yellow (75%)

Blue (51%)

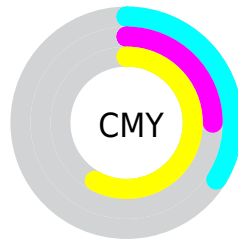


Cyan (12%)

Magenta (0%)

Yellow (44%)

Black (25%)



Cyan (34%)


Magenta (25%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7582, 0.3573, 0.4438 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 46.7582, 0.3573, 0.4438 by changing the saturation by 10% instead.

 46.7582, 0.3573,
0.4438


 46.7582, 0.3573,
0.4438


373.8485, 0.3372,
0.3850

 32.8445, 0.3614,
0.4585


 85.3526, 0.3506,
0.4223

 22.0074, 0.3659,
0.4773


 110.8021, 0.3479,
0.4142

 13.8623, 0.3705,
0.5018


 140.8657, 0.3456,
0.4074

 8.0250, 0.3743,
0.5345

 175.9277, 0.3435,
0.4016

 4.1109, 0.3855,
0.5974

216.3727, 0.3416,
0.3966

 1.7358, 0.3592,
0.6408

262.5848, 0.3400,

 0.4467, 0.0000,

0.3922

1.0000

314.9487, 0.3385,
0.3884

■ 0.0000, 0.0000,
0.0000

■ 46.7582, 0.3573,
0.4438

■ 46.7582, 0.3573,
0.4438

■ 45.8581, 0.3652,
0.4692

■ 47.7725, 0.3480,
0.4171

■ 45.0599, 0.3713,
0.4921

■ 48.9003, 0.3379,
0.3902

■ 44.3587, 0.3750,
0.5116


■ 50.1489, 0.3274,
0.3638

■ 43.7466, 0.3763,
0.5266


■ 51.5232, 0.3168,
0.3386


■ 43.2141, 0.3751,
0.5369

■ 53.0276, 0.3066,
0.3150

 42.9206, 0.3735,
0.5416

 54.6665, 0.2967,
0.2932

 56.4439, 0.2874,
0.2732

 58.0489, 0.2818,
0.2597

 58.7914, 0.2854,
0.2604

Harmonies

Analogous

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



46.7582, 0.4092, 0.4247



46.7582, 0.3573, 0.4438



46.7582, 0.2962, 0.4245

Triad

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



46.7582, 0.3573, 0.4438



46.7582, 0.2021, 0.2575



46.7582, 0.3829, 0.2901

Complementary

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



46.7582, 0.3573, 0.4438



18.9522, 0.2514, 0.2008

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.



46.7582, 0.3197, 0.2542



46.7582, 0.3573, 0.4438



46.7582, 0.2195, 0.2342

Square

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



46.7582, 0.3573, 0.4438



46.7582, 0.2097, 0.3051



46.7582, 0.2605, 0.2342



46.7582, 0.4275, 0.3356

Rectangle

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



46.7582, 0.3573, 0.4438



46.7582, 0.2587, 0.3902



46.7582, 0.2605, 0.2342



46.7582, 0.3628, 0.2768

Sweetspot

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



46.7603, 0.3573, 0.4438



89.9884, 0.3266, 0.3618



27.5822, 0.4138, 0.3582



19.6458, 0.3289, 0.3676



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.



46.7603, 0.3573, 0.4438



82.1442, 0.3651, 0.4689



42.9178, 0.3222, 0.4579



10.9912, 0.3225, 0.3519



28.2447, 0.3742, 0.5411



1.1364, 0.3855, 0.5321

Inverse Universe

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



18.9522, 0.2514, 0.2008



25.8311, 0.2340, 0.1688



22.8288, 0.2944, 0.2151



9.3431, 0.3024, 0.3056



2.9531, 0.1668, 0.0692



0.1486, 0.1935, 0.0839

Previews

White Background



This preview shows how the Yxy color 46.7582, 0.3573, 0.4438 looks on a white background.

Color Contrast Check

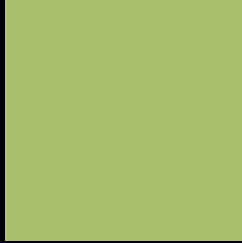
Large Text (above 18pt) WCAG AA × Fail

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 46.7582, 0.3573, 0.4438 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 46.7582, 0.3573, 0.4438

Background



This preview shows how black text looks on a background with the Yxy color 46.7582, 0.3573, 0.4438.



This preview shows how white text looks on a background with the Yxy color 46.7582, 0.3573, 0.4438.

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

46.7582, 0.3573, 0.4438

Protanopia

46.5975, 0.3917, 0.4267

Deuteranopia

46.2505, 0.4114, 0.4020



Tritanopia

46.6912, 0.3010, 0.3110

Trichromacy



Original Color

46.7582, 0.3573, 0.4438

Protanomaly

46.4092, 0.3790, 0.4328

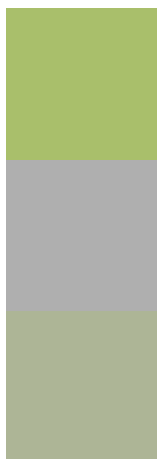
Deuteranomaly

46.1858, 0.3901, 0.4168

Tritanomaly

46.5724, 0.3224, 0.3586

Monochromacy



Original Color

46.7582, 0.3573, 0.4438

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.1340, 0.3308, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7582, 0.3573, 0.4438 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(169, 191, 107)` looks like.

```
.text, #text, p{  
    color:rgb(169, 191, 107)  
}
```

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(169, 191, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 191, 107) }
```

Border

The CSS property to change the border of an element to Yxy 46.7582, 0.3573, 0.4438 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(169, 191, 107) }
```

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

```
.border{ border-color:rgb(169, 191, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 191, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 191, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 191, 107);  
box-shadow:4px 4px 4px 4px rgb(169, 191,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7582, 0.3573, 0.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 191, 107) }
```

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

```
.background{ background-color: rgb(169,  
191, 107) }
```

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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