

Converting Colors

$Y_{xy}(46.2960, 0.3855, 0.4574)$

Have a look what the booklet for
Yxy(46.2960, 0.3855, 0.4574)
contains.

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Color

Yxy(46.2960, 0.3855, 0.4574)

Conversions

Conversions Part 1

Format	Color
Hex	B7BB57
RGB	183, 187, 87
RGB Percent	72%, 73%, 34%
CMY	0.2824, 0.2666, 0.6587
CMYK	0.02, 0.00, 0.53, 0.27
HSL	62°, 42%, 54%
HSV	62°, 53%, 73%
XYZ	39.0186, 46.2960, 15.9010
YIQ	174.4040, 29.7160, -31.9480

Conversions

Conversions Part 2

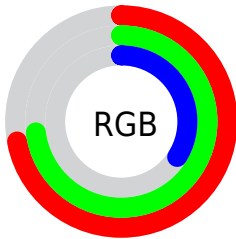
Format	Color
RYB	87, 187, 91
Decimal	12041047
CIELab	73.74, -15.19, 49.40
CIELCh	74, 51.681, 107.097
Yxy	46.2960, 0.3855, 0.4574
Android (android.graphics.Color)	4290231127 (0xFFB7BB57)
YUV	174.4040, -43.0902, 7.5387
Hunter-Lab	68.0412, -16.7102, 33.7730

Details

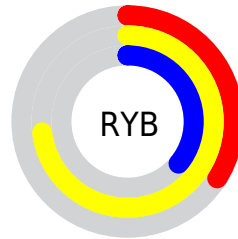
The Yxy color **46.2960, 0.3855, 0.4574** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **12.6345, 0.2143, 0.1622**, and the grayscale version is **42.7625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6954, 0.3745, 0.4342**, and **21.7607, 0.3998, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **45.9391, 0.3956, 0.4761**, and if you desaturate by 10%, it is **46.7368, 0.3735, 0.4357**.

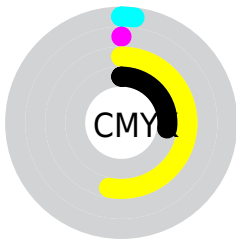
Distribution



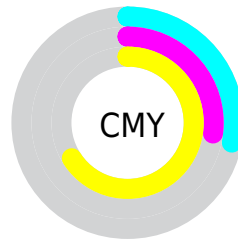
- Red (72%)
- Green (73%)
- Blue (34%)



- Red (34%)
- Yellow (73%)
- Blue (36%)



- Cyan (2%)
- Magenta (0%)
- Yellow (53%)
- Black (27%)



- Cyan (28%)
- Magenta (27%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2960, 0.3855, 0.4574 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 46.2960, 0.3855, 0.4574 by changing the saturation by 10% instead.

■ 46.2960, 0.3855,
0.4574

■ 46.2960, 0.3855,
0.4574

■ 371.9974, 0.3523,
0.3933

■ 32.4795, 0.3922,
0.4725

■ 84.6618, 0.3745,
0.4346

■ 21.7280, 0.3995,
0.4911

■ 109.9799, 0.3700,
0.4258

■ 13.6572, 0.4071,
0.5140

■ 139.9006, 0.3661,
0.4184

■ 7.8826, 0.4143,
0.5434

■ 174.8083, 0.3627,
0.4120

■ 4.0199, 0.4184,
0.5816

■ 215.0875, 0.3596,
0.4064

■ 1.6847, 0.3943,
0.6057

■ 261.1224, 0.3569,

■ 0.4137, 0.0512,

0.4015

0.9488

313.2976, 0.3545,
0.3972

0.0000, 0.0000,
0.0000

46.2960, 0.3855,
0.4574

46.2960, 0.3855,
0.4574

45.9391, 0.3956,
0.4761

46.7368, 0.3735,
0.4357

45.6536, 0.4035,
0.4910

47.2607, 0.3601,
0.4119

45.4342, 0.4087,
0.5017

47.8749, 0.3460,
0.3870

45.2725, 0.4115,
0.5081

48.5842, 0.3317,
0.3619

45.1866, 0.4123,
0.5108

49.3928, 0.3175,
0.3373

■ 50.3048, 0.3039,
0.3137

■ 51.3241, 0.2910,
0.2916

■ 52.4544, 0.2789,
0.2710

■ 53.6779, 0.2680,
0.2524

Harmonies

Analogous

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



46.2960, 0.4376, 0.4216



46.2960, 0.3855, 0.4574



46.2960, 0.3172, 0.4546

Triad

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



46.2960, 0.3855, 0.4574



46.2960, 0.1872, 0.2622



46.2960, 0.3686, 0.2686

Complementary

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



46.2960, 0.3855, 0.4574



12.6345, 0.2143, 0.1622

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.



46.2960, 0.2945, 0.2341



46.2960, 0.3855, 0.4574



46.2960, 0.1971, 0.2271

Square

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



46.2960, 0.3855, 0.4574



46.2960, 0.2053, 0.3254



46.2960, 0.2336, 0.2190



46.2960, 0.4311, 0.3163

Rectangle

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



46.2960, 0.3855, 0.4574



46.2960, 0.2718, 0.4241



46.2960, 0.2336, 0.2190



46.2960, 0.3437, 0.2553

Sweetspot

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



46.2981, 0.3855, 0.4574



86.6354, 0.3357, 0.3689



18.6268, 0.4644, 0.3339



19.0199, 0.3387, 0.3741



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



46.2981, 0.3855, 0.4574



82.1823, 0.3970, 0.4787



41.2739, 0.3404, 0.4800



11.1005, 0.3258, 0.3517



31.1396, 0.4124, 0.5107



1.2259, 0.4142, 0.5093

Inverse Universe

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



12.6345, 0.2143, 0.1622



15.6261, 0.1914, 0.1244



16.0142, 0.2638, 0.1817



9.2431, 0.2990, 0.3053



2.5130, 0.1515, 0.0608



0.1048, 0.1572, 0.0640

Previews

White Background



This preview shows how the Yxy color 46.2960, 0.3855, 0.4574 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 46.2960, 0.3855, 0.4574 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 46.2960, 0.3855, 0.4574

Background



This preview shows how black text looks on a background with the Yxy color 46.2960, 0.3855, 0.4574.



This preview shows how white text looks on a background with the Yxy color 46.2960, 0.3855, 0.4574.

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

46.2960, 0.3855, 0.4574

Protanopia

46.1211, 0.4077, 0.4450

Deuteranopia

45.9484, 0.4306, 0.4204



Tritanopia

46.2377, 0.3170, 0.3114

Trichromacy



Original Color

46.2960, 0.3855, 0.4574

Protanomaly

46.0082, 0.3990, 0.4493

Deuteranomaly

45.5924, 0.4137, 0.4328

Tritanomaly

45.8896, 0.3440, 0.3645

Monochromacy



Original Color

46.2960, 0.3855, 0.4574

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.5403, 0.3415, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2960, 0.3855, 0.4574 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(183, 187, 87)` looks like.

```
.text, #text, p{  
    color:rgb(183, 187, 87)  
}
```

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(183, 187, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 187, 87) }
```

Border

The CSS property to change the border of an element to Yxy 46.2960, 0.3855, 0.4574 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(183, 187, 87) }
```

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

```
.border{ border-color:rgb(183, 187, 87) }
```

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

Here you see how a box with a 4 pixel rgb(183, 187, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 187, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 187, 87);  
box-shadow:4px 4px 4px 4px rgb(183, 187,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2960, 0.3855, 0.4574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 187, 87) }
```

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

```
.background{ background-color: rgb(183,  
187, 87) }
```

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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