

Converting Colors

$Y_{xy}(46.3320, 0.3753, 0.4371)$

Have a look what the booklet for
Yxy(46.3320, 0.3753, 0.4371)
contains.

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Color

Yxy(46.3076, 0.3755, 0.4366)

Conversions

Conversions Part 1

Format	Color
Hex	B8BA68
RGB	184, 186, 104
RGB Percent	72%, 73%, 41%
CMY	0.2784, 0.2706, 0.5922
CMYK	0.01, 0.00, 0.44, 0.27
HSL	61°, 37%, 57%
HSV	61°, 44%, 73%
XYZ	39.8271, 46.3076, 19.9295
YIQ	176.0540, 25.1300, -25.9260

Conversions

Conversions Part 2

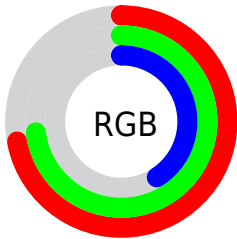
Format	Color
RYB	104, 186, 106
Decimal	12106344
CIELab	73.74, -12.68, 41.18
CIELCh	74, 43.084, 107.112
Yxy	46.3076, 0.3755, 0.4366
Android (android.graphics.Color)	4290296424 (0xFFB8BA68)
YUV	176.0540, -35.5226, 6.9686
Hunter-Lab	68.0497, -14.6172, 30.2707

Details

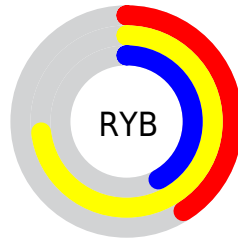
The Yxy color **46.3076, 0.3755, 0.4366** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.5032, 0.2328, 0.1945**, and the grayscale version is **43.6259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6394, 0.3649, 0.4168**, and **21.7085, 0.3890, 0.4664** is the 20% darker color. If you saturate the color by 10%, you get **45.9172, 0.3877, 0.4579**, and if you desaturate by 10%, it is **46.7858, 0.3619, 0.4131**.

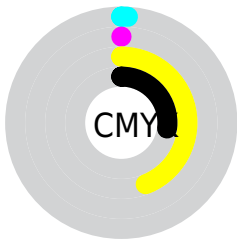
Distribution



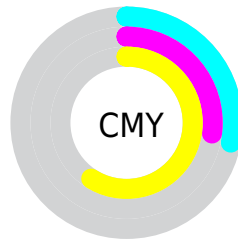
- Red (72%)
- Green (73%)
- Blue (41%)



- Red (41%)
- Yellow (73%)
- Blue (42%)



- Cyan (1%)
- Magenta (0%)
- Yellow (44%)
- Black (27%)




- Cyan (28%)
- Magenta (27%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3076, 0.3755, 0.4366 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 46.3076, 0.3755, 0.4366 by changing the saturation by 10% instead.


 46.3076, 0.3755,
0.4366


 46.3076, 0.3755,
0.4366

372.0439, 0.3460,
0.3825

 32.4886, 0.3819,
0.4498


 84.6792, 0.3654,
0.4171


 21.7350, 0.3894,
0.4662


 110.0005, 0.3614,
0.4097

 13.6623, 0.3980,
0.4872


 139.9248, 0.3580,
0.4034

 7.8862, 0.4071,
0.5142

 174.8364, 0.3549,
0.3980

 4.0222, 0.4301,
0.5699

215.1198, 0.3523,
0.3934

 1.6860, 0.4102,
0.5898

261.1592, 0.3499,

 0.4146, 0.1694,

0.3893

0.8306

313.3391, 0.3479,
0.3857

0.0000, 0.0000,
0.0000

46.3076, 0.3755,
0.4366

46.3076, 0.3755,
0.4366

45.9172, 0.3877,
0.4579

46.7858, 0.3619,
0.4131

45.6026, 0.3980,
0.4761

47.3505, 0.3476,
0.3885

45.3598, 0.4059,
0.4904


48.0083, 0.3330,
0.3634


45.1816, 0.4113,
0.5005

48.7637, 0.3185,
0.3388


45.0594, 0.4142,
0.5064

49.6207, 0.3046,
0.3152

 45.0031, 0.4151,
0.5086

 50.5831, 0.2914,
0.2929

 51.6544, 0.2791,
0.2722

 52.8382, 0.2678,
0.2531

 53.0375, 0.2668,
0.2510

Harmonies

Analogous

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



46.3076, 0.4186, 0.4091



46.3076, 0.3755, 0.4366



46.3076, 0.3179, 0.4318

Triad

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



46.3076, 0.3755, 0.4366



46.3076, 0.2055, 0.2739



46.3076, 0.3597, 0.2778

Complementary

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



46.3076, 0.3755, 0.4366



16.5032, 0.2328, 0.1945

Split Complementary

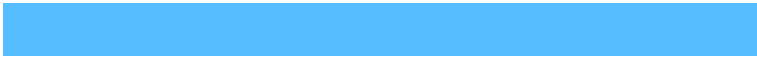
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.3076, 0.2980, 0.2478



46.3076, 0.3755, 0.4366



46.3076, 0.2140, 0.2428

Square

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



46.3076, 0.3755, 0.4366



46.3076, 0.2218, 0.3271



46.3076, 0.2460, 0.2349



46.3076, 0.4113, 0.3195

Rectangle

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



46.3076, 0.3755, 0.4366



46.3076, 0.2793, 0.4067



46.3076, 0.2460, 0.2349



46.3076, 0.3392, 0.2662

Sweetspot

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



46.3097, 0.3755, 0.4366



87.1311, 0.3317, 0.3612



21.6118, 0.4266, 0.3313



19.1253, 0.3349, 0.3668



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.



46.3097, 0.3755, 0.4366



83.2412, 0.3874, 0.4574



42.0124, 0.3385, 0.4515



10.4920, 0.3260, 0.3516



30.2815, 0.4152, 0.5085



1.0710, 0.4163, 0.5076

Inverse Universe

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



16.5032, 0.2328, 0.1945



22.2075, 0.2122, 0.1603



19.5852, 0.2731, 0.2079



8.7295, 0.2988, 0.3054



2.4093, 0.1509, 0.0605



0.0885, 0.1546, 0.0625

Previews

White Background



This preview shows how the Yxy color 46.3076, 0.3755, 0.4366 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 46.3076, 0.3755, 0.4366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

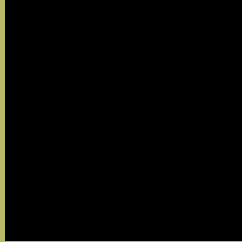
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3076, 0.3755, 0.4366

Background



This preview shows how black text looks on a background with the Yxy color 46.3076, 0.3755, 0.4366.



This preview shows how white text looks on a background with the Yxy color 46.3076, 0.3755, 0.4366.

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

46.3076, 0.3755, 0.4366

Protanopia

46.1492, 0.3938, 0.4278

Deuteranopia

46.1643, 0.4147, 0.4063



Tritanopia

46.2377, 0.3170, 0.3114

Trichromacy



Original Color

46.3076, 0.3755, 0.4366

Protanomaly

46.3156, 0.3872, 0.4308

Deuteranomaly

46.1468, 0.4001, 0.4172

Tritanomaly

46.0929, 0.3389, 0.3565

Monochromacy



Original Color

46.3076, 0.3755, 0.4366

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.4282, 0.3364, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3076, 0.3755, 0.4366 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(184, 186, 104)` looks like.

```
.text, #text, p{  
    color:rgb(184, 186, 104)  
}
```

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(184, 186, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 186, 104) }
```

Border

The CSS property to change the border of an element to Yxy 46.3076, 0.3755, 0.4366 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(184, 186, 104) }
```

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

```
.border{ border-color:rgb(184, 186, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 186, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 186, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 186, 104);  
box-shadow:4px 4px 4px 4px rgb(184, 186,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3076, 0.3755, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 186, 104) }
```

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

```
.background{ background-color: rgb(184,  
186, 104) }
```

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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