

Converting Colors

$Y_{xy}(46.5206, 0.4037, 0.4770)$

Have a look what the booklet for
Yxy(46.5206, 0.4037, 0.4770)
contains.

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Color

Yxy(46.5909, 0.4037, 0.4773)

Conversions

Conversions Part 1

Format	Color
Hex	BCBB3F
RGB	188, 187, 63
RGB Percent	74%, 73%, 25%
CMY	0.2627, 0.2666, 0.7530
CMYK	0.00, 0.01, 0.66, 0.26
HSL	60°, 50%, 49%
HSV	60°, 66%, 74%
XYZ	39.4066, 46.5909, 11.6160
YIQ	173.1630, 40.4000, -38.3520

Conversions

Conversions Part 2

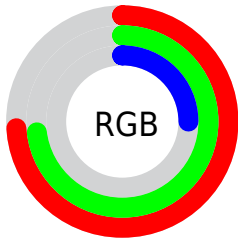
Format	Color
RYB	64, 188, 63
Decimal	12368703
CIELab	73.93, -14.79, 60.19
CIELCh	74, 61.981, 103.801
Yxy	46.5909, 0.4037, 0.4773
Android (android.graphics.Color)	4290558783 (0xFFBCBB3F)
YUV	173.1630, -54.3104, 13.0120
Hunter-Lab	68.2575, -16.3988, 37.6904

Details

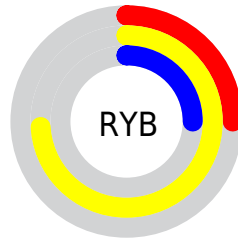
The Yxy color **46.5909, 0.4037, 0.4773** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **8.3521, 0.1856, 0.1196**, and the grayscale version is **42.1443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1597, 0.3912, 0.4526**, and **21.8755, 0.4155, 0.5083** is the 20% darker color. If you saturate the color by 10%, you get **46.3540, 0.4117, 0.4901**, and if you desaturate by 10%, it is **46.9039, 0.3933, 0.4605**.

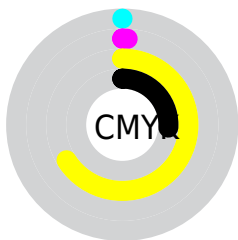
Distribution



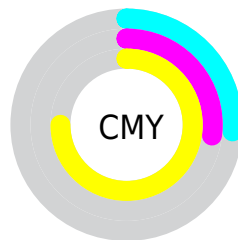
- Red (74%)
- Green (73%)
- Blue (25%)



- Red (25%)
- Yellow (74%)
- Blue (25%)



- Cyan (0%)
- Magenta (1%)
- Yellow (66%)
- Black (26%)




- Cyan (26%)
- Magenta (27%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5909, 0.4037, 0.4773 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 46.5909, 0.4037, 0.4773 by changing the saturation by 10% instead.


 46.5909, 0.4037,
0.4773


 46.5909, 0.4037,
0.4773


373.1792, 0.3636,
0.4053


 32.7124, 0.4109,
0.4931


 85.1026, 0.3910,
0.4524

 21.9062, 0.4183,
0.5118


 110.5046, 0.3856,
0.4427

 13.7880, 0.4246,
0.5332

 140.5166, 0.3809,
0.4342

 7.9734, 0.4343,
0.5657

 175.5228, 0.3766,
0.4269

 4.0779, 0.4206,
0.5794

 215.9079, 0.3728,
0.4205

 1.7172, 0.3975,
0.6025

262.0560, 0.3694,

 0.4348, 0.1074,

0.4148

0.8926

314.3516, 0.3664,
0.4098

■ 0.0000, 0.0000,
0.0000

■ 46.5909, 0.4037,
0.4773

■ 46.5909, 0.4037,
0.4773

■ 46.3540, 0.4117,
0.4901

■ 46.9039, 0.3933,
0.4605

■ 46.1791, 0.4170,
0.4986

■ 47.2932, 0.3809,
0.4404

■ 46.0583, 0.4199,
0.5030

■ 47.7666, 0.3671,
0.4179

■ 46.0217, 0.4207,
0.5042

■ 48.3296, 0.3523,
0.3938

■ 48.9870, 0.3372,
0.3691

■ 49.7433, 0.3222,
0.3445

■ 50.6026, 0.3077,
0.3208

■ 51.5690, 0.2940,
0.2983

■ 52.6462, 0.2812,
0.2773

Harmonies

Analogous

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



46.5909, 0.4634, 0.4277



46.5909, 0.4037, 0.4773



46.5909, 0.3244, 0.4853

Triad

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



46.5909, 0.4037, 0.4773



46.5909, 0.1677, 0.2549



46.5909, 0.3690, 0.2529

Complementary

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



46.5909, 0.4037, 0.4773



8.3521, 0.1856, 0.1196

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.



46.5909, 0.2812, 0.2159



46.5909, 0.4037, 0.4773



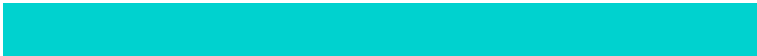
46.5909, 0.1758, 0.2121

Square

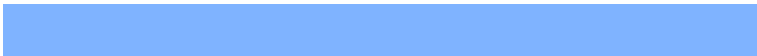
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.5909, 0.4037, 0.4773



46.5909, 0.1907, 0.3329



46.5909, 0.2137, 0.2009



46.5909, 0.4480, 0.3057

Rectangle

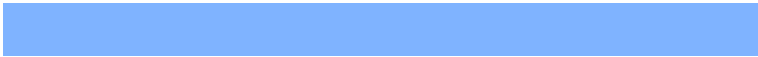
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.5909, 0.4037, 0.4773



46.5909, 0.2708, 0.4534



46.5909, 0.2137, 0.2009



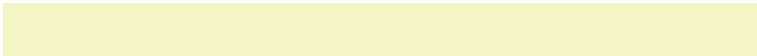
46.5909, 0.3388, 0.2384

Sweetspot

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



46.5931, 0.4037, 0.4773



88.3030, 0.3430, 0.3786



14.6275, 0.5251, 0.3273



18.9174, 0.3472, 0.3855



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.



46.5931, 0.4037, 0.4773



83.8422, 0.4146, 0.4947



40.8823, 0.3477, 0.5127



11.1071, 0.3264, 0.3515



31.3390, 0.4207, 0.5042



1.2318, 0.4203, 0.5044

Inverse Universe

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



8.3521, 0.1856, 0.1196



9.5584, 0.1634, 0.0827



11.4257, 0.2407, 0.1441



9.2372, 0.2984, 0.3055



2.4994, 0.1502, 0.0606



0.1021, 0.1508, 0.0629

Previews

White Background



This preview shows how the Yxy color 46.5909, 0.4037, 0.4773 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 Xy color 46.5909, 0.4037, 0.4773 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 46.5909, 0.4037, 0.4773

Background



This preview shows how black text looks on a background with the Yxy color 46.5909, 0.4037, 0.4773.



This preview shows how white text looks on a background with the Yxy color 46.5909, 0.4037, 0.4773.

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

46.5909, 0.4037, 0.4773

Protanopia

46.5002, 0.4221, 0.4648

Deuteranopia

46.4732, 0.4477, 0.4394



Tritanopia

46.4762, 0.3223, 0.3117

Trichromacy



Original Color

46.5909, 0.4037, 0.4773

Protanomaly

46.6345, 0.4158, 0.4696

Deuteranomaly

46.2312, 0.4317, 0.4531

Tritanomaly

45.8255, 0.3574, 0.3758

Monochromacy



Original Color

46.5909, 0.4037, 0.4773

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.9992, 0.3502, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5909, 0.4037, 0.4773 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(188, 187, 63)` looks like.

```
.text, #text, p{  
    color:rgb(188, 187, 63)  
}
```

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(188, 187, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 187, 63) }
```

Border

The CSS property to change the border of an element to Yxy 46.5909, 0.4037, 0.4773 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(188, 187, 63) }
```

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

```
.border{ border-color:rgb(188, 187, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 187, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 187, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 187, 63);  
box-shadow:4px 4px 4px 4px rgb(188, 187,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5909, 0.4037, 0.4773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 187, 63) }
```

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

```
.background{ background-color: rgb(188,  
187, 63) }
```

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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