

Converting Colors

$Y_{xy}(50.7217, 0.3727, 0.4256)$

Have a look what the booklet for
Yxy(50.7217, 0.3727, 0.4256)
contains.

Yxy(50.8702, 0.3726, 0.4263)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.8702, 0.3726, 0.4263)

Conversions

Conversions Part 1

Format	Color
Hex	C2C174
RGB	194, 193, 116
RGB Percent	76%, 76%, 45%
CMY	0.2394, 0.2431, 0.5451
CMYK	0.00, 0.00, 0.40, 0.24
HSL	59°, 39%, 61%
HSV	59°, 40%, 76%
XYZ	44.4622, 50.8702, 23.9972
YIQ	184.5210, 25.3130, -23.7350

Conversions

Conversions Part 2

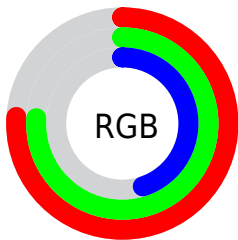
Format	Color
RYB	117, 194, 116
Decimal	12763508
CIELab	76.60, -11.00, 38.85
CIElCh	77, 40.375, 105.810
Yxy	50.8702, 0.3726, 0.4263
Android (android.graphics.Color)	4290953588 (0xFFC2C174)
YUV	184.5210, -33.7809, 8.3131
Hunter-Lab	71.3233, -13.5409, 29.9779

Details

The Yxy color **50.8702, 0.3726, 0.4263** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.3140, 0.2393, 0.2088**, and the grayscale version is **48.4142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3114, 0.3634, 0.4088**, and **24.6385, 0.3858, 0.4525** is the 20% darker color. If you saturate the color by 10%, you get **50.3640, 0.3861, 0.4480**, and if you desaturate by 10%, it is **51.4754, 0.3580, 0.4027**.

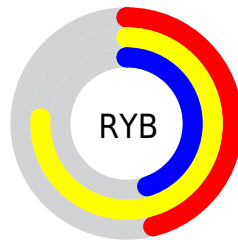
Distribution



Red (76%)

Green (76%)

Blue (45%)



Red (46%)

Yellow (76%)

Blue (45%)

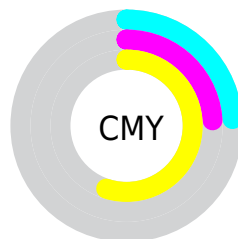


Cyan (0%)

Magenta (0%)

Yellow (40%)

Black (24%)



Cyan (24%)


Magenta (24%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8702, 0.3726, 0.4263 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 50.8702, 0.3726, 0.4263 by changing the saturation by 10% instead.


 50.8702, 0.3726,
0.4263


 50.8702, 0.3726,
0.4263


390.0593, 0.3445,
0.3781

 36.1053, 0.3788,
0.4379


 91.4629, 0.3630,
0.4091

 24.5155, 0.3861,
0.4523


 118.0595, 0.3592,
0.4025

 15.7165, 0.3949,
0.4707


 149.3687, 0.3559,
0.3969

 9.3238, 0.4049,
0.4945

185.7751, 0.3530,
0.3921

 4.9530, 0.4181,
0.5295

227.6629, 0.3505,
0.3879

 2.2197, 0.4267,
0.5733

275.4167, 0.3483,

 0.7307, 0.3683,

0.3843

0.6317

329.4206, 0.3463,
0.3810

0.0000, 0.0000,
0.0000

50.8702, 0.3726,
0.4263

50.8702, 0.3726,
0.4263

50.3640, 0.3861,
0.4480

51.4754, 0.3580,
0.4027

49.9439, 0.3979,
0.4670

52.1782, 0.3429,
0.3781

49.6058, 0.4075,
0.4822


52.9857, 0.3277,
0.3535

49.3421, 0.4146,
0.4934

53.9026, 0.3130,
0.3295


49.1439, 0.4191,
0.5002


54.9334, 0.2989,
0.3065

 48.9963, 0.4214,
0.5036

 56.0821, 0.2858,
0.2850

 57.3528, 0.2736,
0.2650

 57.6638, 0.2717,
0.2621

 57.7685, 0.2717,
0.2623

Harmonies

Analogous

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



50.8702, 0.4106, 0.4014



50.8702, 0.3726, 0.4263



50.8702, 0.3204, 0.4225

Triad

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



50.8702, 0.3726, 0.4263



50.8702, 0.2145, 0.2810



50.8702, 0.3532, 0.2807

Complementary

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



50.8702, 0.3726, 0.4263



20.3140, 0.2393, 0.2088

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.



50.8702, 0.2973, 0.2535



50.8702, 0.3726, 0.4263



50.8702, 0.2213, 0.2510

Square

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



50.8702, 0.3726, 0.4263



50.8702, 0.2308, 0.3302



50.8702, 0.2501, 0.2425



50.8702, 0.4006, 0.3190

Rectangle

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



50.8702, 0.3726, 0.4263



50.8702, 0.2849, 0.4008



50.8702, 0.2501, 0.2425



50.8702, 0.3346, 0.2701

Sweetspot

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



50.8725, 0.3726, 0.4263



95.7360, 0.3307, 0.3584



25.2454, 0.4114, 0.3275



20.9211, 0.3328, 0.3617



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.8725, 0.3726, 0.4263



91.4136, 0.3842, 0.4451



46.9212, 0.3390, 0.4394



11.7368, 0.3265, 0.3515



32.2387, 0.4214, 0.5036



1.3997, 0.4209, 0.5040

Inverse Universe

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



20.3140, 0.2393, 0.2088



28.6065, 0.2210, 0.1786



23.2219, 0.2748, 0.2182



9.7670, 0.2983, 0.3055



2.6029, 0.1503, 0.0609



0.1193, 0.1512, 0.0642

Previews

White Background



This preview shows how the Yxy color 50.8702, 0.3726, 0.4263 looks on a white background.

Color Contrast Check

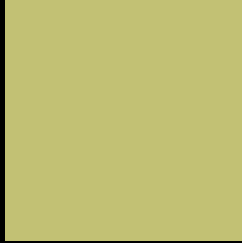
Large Text (above 18pt) WCAG AA × Fail

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 50.8702, 0.3726, 0.4263 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 50.8702, 0.3726, 0.4263

Background



This preview shows how black text looks on a background with the Yxy color 50.8702, 0.3726, 0.4263.



This preview shows how white text looks on a background with the Yxy color 50.8702, 0.3726, 0.4263.

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

50.8702, 0.3726, 0.4263

Protanopia

50.7319, 0.3869, 0.4204

Deuteranopia

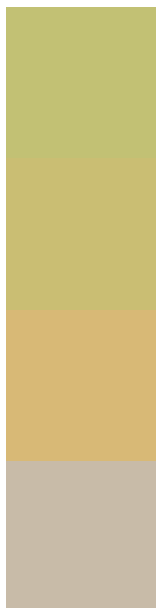
50.4684, 0.4080, 0.3987



Tritanopia

50.6407, 0.3178, 0.3109

Trichromacy



Original Color

50.8702, 0.3726, 0.4263

Protanomaly

50.6213, 0.3820, 0.4216

Deuteranomaly

50.6049, 0.3951, 0.4085

Tritanomaly

50.6472, 0.3389, 0.3528

Monochromacy



Original Color

50.8702, 0.3726, 0.4263

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.1959, 0.3347, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8702, 0.3726, 0.4263 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(194, 193, 116)` looks like.

```
.text, #text, p{  
    color:rgb(194, 193, 116)  
}
```

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(194, 193, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 193, 116) }
```

Border

The CSS property to change the border of an element to Yxy 50.8702, 0.3726, 0.4263 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(194, 193, 116) }
```

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

```
.border{ border-color:rgb(194, 193, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 193, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 193, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 193, 116);  
box-shadow:4px 4px 4px 4px rgb(194, 193,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8702, 0.3726, 0.4263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 193, 116) }
```

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

```
.background{ background-color: rgb(194,  
193, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor