

Converting Colors

$Y_{xy}(46.3481, 0.3909, 0.4325)$

Have a look what the booklet for
Yxy(46.3481, 0.3909, 0.4325)
contains.

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Color

Yxy(46.5423, 0.3905, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	C4B765
RGB	196, 183, 101
RGB Percent	77%, 72%, 40%
CMY	0.2315, 0.2823, 0.6039
CMYK	0.00, 0.07, 0.48, 0.23
HSL	52°, 45%, 58%
HSV	52°, 48%, 77%
XYZ	42.0420, 46.5423, 19.0777
YIQ	177.5390, 34.0700, -22.7460

Conversions

Conversions Part 2

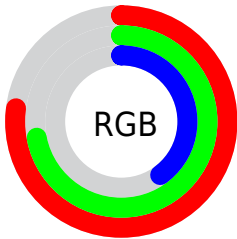
Format	Color
RYB	116, 196, 101
Decimal	12892005
CIELab	73.90, -6.52, 43.08
CIElCh	74, 43.569, 98.604
Yxy	46.5423, 0.3905, 0.4323
Android (android.graphics.Color)	4291082085 (0xFFC4B765)
YUV	177.5390, -37.7337, 16.1903
Hunter-Lab	68.2219, -9.3870, 31.1754

Details

The Yxy color **46.5423, 0.3905, 0.4323** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.7750, 0.2250, 0.1980**, and the grayscale version is **44.4532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1369, 0.3773, 0.4140**, and **21.7797, 0.4084, 0.4586** is the 20% darker color. If you saturate the color by 10%, you get **45.1123, 0.4057, 0.4503**, and if you desaturate by 10%, it is **48.0892, 0.3743, 0.4121**.

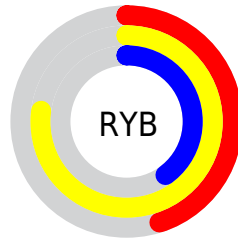
Distribution



Red (77%)

Green (72%)

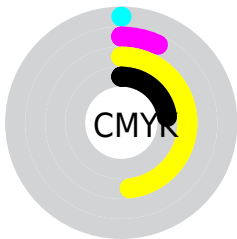
Blue (40%)



Red (45%)

Yellow (77%)

Blue (40%)

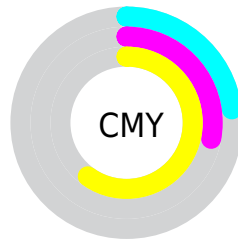


Cyan (0%)

Magenta (7%)

Yellow (48%)

Black (23%)



Cyan (23%)


Magenta (28%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5423, 0.3905, 0.4323 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 46.5423, 0.3905, 0.4323 by changing the saturation by 10% instead.


 46.5423, 0.3905,
0.4323

 46.5423, 0.3905,
0.4323

372.9846, 0.3534,
0.3814


 32.6740, 0.3987,
0.4443


 85.0300, 0.3777,
0.4143


 21.8768, 0.4085,
0.4589


 110.4182, 0.3727,
0.4073

 13.7664, 0.4200,
0.4771


 140.4151, 0.3683,
0.4014

 7.9584, 0.4329,
0.4995

 175.4052, 0.3646,
0.3963

 4.0683, 0.4584,
0.5416

215.7727, 0.3613,
0.3918

 1.7119, 0.4486,
0.5514

261.9022, 0.3584,

 0.4313, 0.3677,

0.3879

0.6323

314.1781, 0.3558,
0.3845

0.0000, 0.0000,
0.0000

46.5423, 0.3905,
0.4323

46.5423, 0.3905,
0.4323

45.1123, 0.4057,
0.4503

48.0892, 0.3743,
0.4121

43.7859, 0.4192,
0.4650

49.7526, 0.3577,
0.3905

42.5577, 0.4304,
0.4757


51.5401, 0.3412,
0.3685

41.4188, 0.4389,
0.4820


53.4570, 0.3254,
0.3468


40.3550, 0.4449,
0.4841


55.5082, 0.3105,
0.3259

 40.1952, 0.4457,
0.4843

 57.6980, 0.2966,
0.3060

 60.0310, 0.2839,
0.2875

 62.3311, 0.2739,
0.2732

 63.6166, 0.2741,
0.2762

Harmonies

Analogous

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



46.5423, 0.4271, 0.3983



46.5423, 0.3905, 0.4323



46.5423, 0.3349, 0.4383

Triad

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



46.5423, 0.3905, 0.4323



46.5423, 0.2067, 0.2866



46.5423, 0.3425, 0.2673

Complementary

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



46.5423, 0.3905, 0.4323



18.7750, 0.2250, 0.1980

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.



46.5423, 0.2813, 0.2415



46.5423, 0.3905, 0.4323



46.5423, 0.2082, 0.2484

Square

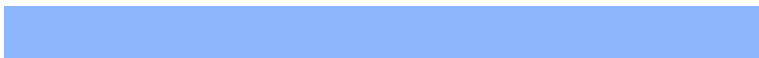
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.5423, 0.3905, 0.4323



46.5423, 0.2302, 0.3449



46.5423, 0.2339, 0.2341



46.5423, 0.3999, 0.3066

Rectangle

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



46.5423, 0.3905, 0.4323



46.5423, 0.2951, 0.4203



46.5423, 0.2339, 0.2341



46.5423, 0.3215, 0.2569

Sweetspot

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



46.5445, 0.3905, 0.4323



94.4919, 0.3360, 0.3614



22.2819, 0.4251, 0.3104



20.0691, 0.3395, 0.3661



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.



46.5445, 0.3905, 0.4323



81.6371, 0.4064, 0.4510



48.1655, 0.3538, 0.4589



11.5164, 0.3268, 0.3487



25.9279, 0.4453, 0.4847



1.1864, 0.4387, 0.4899

Inverse Universe

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



18.7750, 0.2250, 0.1980



25.6033, 0.2045, 0.1649



18.3785, 0.2516, 0.1888



9.9647, 0.2983, 0.3085



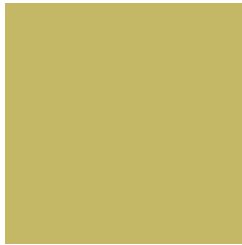
3.1316, 0.1533, 0.0718



0.2088, 0.1622, 0.1040

Previews

White Background



This preview shows how the Yxy color 46.5423, 0.3905, 0.4323 looks on a white background.

Color Contrast Check

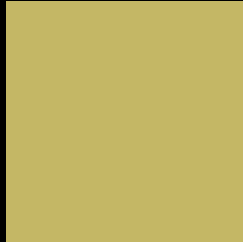
Large Text (above 18pt) WCAG AA × Fail

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 46.5423, 0.3905, 0.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

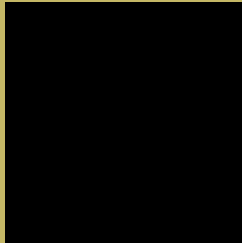
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5423, 0.3905, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 46.5423, 0.3905, 0.4323.



This preview shows how white text looks on a background with the Yxy color 46.5423, 0.3905, 0.4323.

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

46.5423, 0.3905, 0.4323

Protanopia

46.6748, 0.3949, 0.4297

Deuteranopia

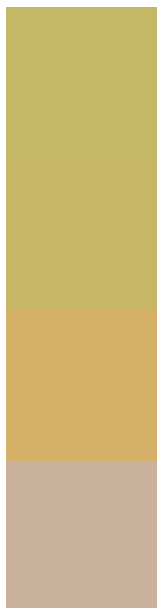
46.2386, 0.4188, 0.4102



Tritanopia

46.4541, 0.3296, 0.3119

Trichromacy



Original Color

46.5423, 0.3905, 0.4323

Protanomaly

46.5376, 0.3939, 0.4300

Deuteranomaly

46.4006, 0.4085, 0.4187

Tritanomaly

46.4011, 0.3532, 0.3557

Monochromacy



Original Color

46.5423, 0.3905, 0.4323

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1588, 0.3419, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5423, 0.3905, 0.4323 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(196, 183, 101)` looks like.

```
.text, #text, p{  
    color:rgb(196, 183, 101)  
}
```

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(196, 183, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 183, 101) }
```

Border

The CSS property to change the border of an element to Yxy 46.5423, 0.3905, 0.4323 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(196, 183, 101) }
```

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

```
.border{ border-color:rgb(196, 183, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 183, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 183, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 183, 101);  
box-shadow:4px 4px 4px 4px rgb(196, 183,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5423, 0.3905, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 183, 101) }
```

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

```
.background{ background-color: rgb(196,  
183, 101) }
```

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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