

Converting Colors

$Yxy(46.9845, 0.3897, 0.4463)$

Have a look what the booklet for
Yxy(46.9845, 0.3897, 0.4463)
contains.

Yxy(46.9845, 0.3897, 0.4463)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.9845, 0.3897, 0.4463)

Conversions

Conversions Part 1

Format	Color
Hex	BFBA5D
RGB	191, 186, 93
RGB Percent	75%, 73%, 36%
CMY	0.2509, 0.2706, 0.6352
CMYK	0.00, 0.03, 0.51, 0.25
HSL	57°, 43%, 56%
HSV	57°, 51%, 75%
XYZ	41.0259, 46.9845, 17.2652
YIQ	176.8930, 32.8330, -27.8630

Conversions

Conversions Part 2

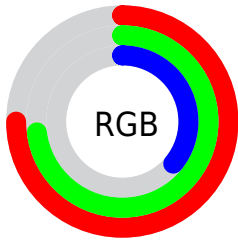
Format	Color
RYB	98, 191, 93
Decimal	12565085
CIELab	74.18, -10.84, 47.23
CIELCh	74, 48.458, 102.921
Yxy	46.9845, 0.3897, 0.4463
Android (android.graphics.Color)	4290755165 (0xFFBFBA5D)
YUV	176.8930, -41.3592, 12.3718
Hunter-Lab	68.5452, -13.1178, 33.0477

Details

The Yxy color **46.9845, 0.3897, 0.4463** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.8342, 0.2169, 0.1759**, and the grayscale version is **44.1191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7193, 0.3773, 0.4255**, and **22.0931, 0.4055, 0.4766** is the 20% darker color. If you saturate the color by 10%, you get **46.2777, 0.4022, 0.4645**, and if you desaturate by 10%, it is **47.7830, 0.3756, 0.4254**.

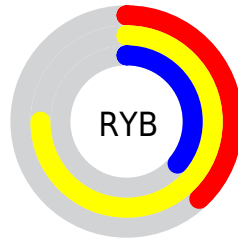
Distribution



Red (75%)

Green (73%)

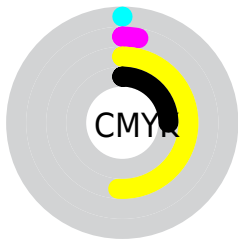
Blue (36%)



Red (38%)

Yellow (75%)

Blue (36%)

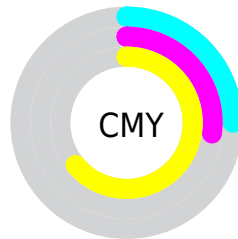


Cyan (0%)

Magenta (3%)

Yellow (51%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9845, 0.3897, 0.4463 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 46.9845, 0.3897, 0.4463 by changing the saturation by 10% instead.

 46.9845, 0.3897,
0.4463

 46.9845, 0.3897,
0.4463


374.7527, 0.3539,
0.3883

 33.0234, 0.3973,
0.4599


 85.6905, 0.3776,
0.4258


 22.1444, 0.4059,
0.4765


 111.2042, 0.3728,
0.4179

 13.9630, 0.4156,
0.4969


 141.3375, 0.3685,
0.4111

 8.0950, 0.4253,
0.5220

 176.4749, 0.3649,
0.4053

 4.1558, 0.4391,
0.5609

217.0007, 0.3616,
0.4002

 1.7611, 0.4227,
0.5773

263.2993, 0.3587,

 0.4627, 0.2748,

0.3958

0.7252

315.7552, 0.3562,
0.3918

0.0000, 0.0000,
0.0000

46.9845, 0.3897,
0.4463

46.9845, 0.3897,
0.4463

46.2777, 0.4022,
0.4645

47.7830, 0.3756,
0.4254

45.6497, 0.4126,
0.4790

48.6725, 0.3604,
0.4026

45.0953, 0.4205,
0.4893

49.6604, 0.3449,
0.3789

44.6058, 0.4257,
0.4954

50.7516, 0.3295,
0.3552

44.2184, 0.4286,
0.4979

51.9505, 0.3146,
0.3320

■ 53.2614, 0.3005,
0.3098

■ 54.6885, 0.2873,
0.2890

■ 56.2353, 0.2751,
0.2697

■ 57.2490, 0.2697,
0.2616

Harmonies

Analogous

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



46.9845, 0.4347, 0.4106



46.9845, 0.3897, 0.4463



46.9845, 0.3268, 0.4487

Triad

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



46.9845, 0.3897, 0.4463



46.9845, 0.1952, 0.2738



46.9845, 0.3555, 0.2668

Complementary

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



46.9845, 0.3897, 0.4463



14.8342, 0.2169, 0.1759

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.



46.9845, 0.2868, 0.2363



46.9845, 0.3897, 0.4463



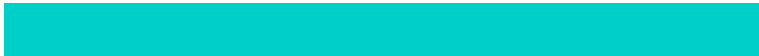
46.9845, 0.2009, 0.2364

Square

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



46.9845, 0.3897, 0.4463



46.9845, 0.2165, 0.3359



46.9845, 0.2322, 0.2250



46.9845, 0.4167, 0.3108

Rectangle

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



46.9845, 0.3897, 0.4463



46.9845, 0.2835, 0.4245



46.9845, 0.2322, 0.2250



46.9845, 0.3321, 0.2548

Sweetspot

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



46.9867, 0.3897, 0.4463



90.0784, 0.3355, 0.3645



19.8223, 0.4479, 0.3207



19.6888, 0.3388, 0.3695



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



46.9867, 0.3897, 0.4463



82.6604, 0.4041, 0.4672



44.4113, 0.3483, 0.4698



11.0343, 0.3265, 0.3505



29.0877, 0.4284, 0.4980



1.1653, 0.4261, 0.4999

Inverse Universe

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



14.8342, 0.2169, 0.1759



18.5921, 0.1936, 0.1374



16.7852, 0.2557, 0.1835



9.3018, 0.2984, 0.3065



2.6482, 0.1511, 0.0638



0.1309, 0.1551, 0.0784

Previews

White Background



This preview shows how the Yxy color 46.9845, 0.3897, 0.4463 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 46.9845, 0.3897, 0.4463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

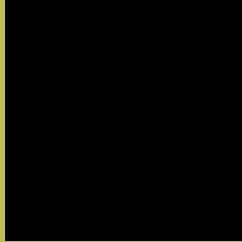
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9845, 0.3897, 0.4463

Background



This preview shows how black text looks on a background with the Yxy color 46.9845, 0.3897, 0.4463.



This preview shows how white text looks on a background with the Yxy color 46.9845, 0.3897, 0.4463.

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

46.9845, 0.3897, 0.4463

Protanopia

47.0572, 0.4016, 0.4400

Deuteranopia

46.9639, 0.4264, 0.4173



Tritanopia

46.7516, 0.3241, 0.3118

Trichromacy



Original Color

46.9845, 0.3897, 0.4463

Protanomaly

46.9240, 0.3972, 0.4427

Deuteranomaly

46.6641, 0.4131, 0.4271

Tritanomaly

46.4436, 0.3498, 0.3612

Monochromacy



Original Color

46.9845, 0.3897, 0.4463

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6629, 0.3425, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9845, 0.3897, 0.4463 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(191, 186, 93)` looks like.

```
.text, #text, p{  
    color:rgb(191, 186, 93)  
}
```

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(191, 186, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 186, 93) }
```

Border

The CSS property to change the border of an element to Yxy 46.9845, 0.3897, 0.4463 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(191, 186, 93) }
```

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

```
.border{ border-color:rgb(191, 186, 93) }
```

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

Here you see how a box with a 4 pixel rgb(191, 186, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 186, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 186, 93);  
box-shadow:4px 4px 4px 4px rgb(191, 186,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9845, 0.3897, 0.4463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 186, 93) }
```

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

```
.background{ background-color: rgb(191,  
186, 93) }
```

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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