

Converting Colors

$Y_{xy}(46.3036, 0.4310, 0.4115)$

Have a look what the booklet for
Yxy(46.3036, 0.4310, 0.4115)
contains.

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Color

Yxy(46.3198, 0.4305, 0.4120)

Conversions

Conversions Part 1

Format	Color
Hex	E3AB61
RGB	227, 171, 97
RGB Percent	89%, 67%, 38%
CMY	0.1098, 0.3294, 0.6195
CMYK	0.00, 0.25, 0.57, 0.11
HSL	34°, 70%, 64%
HSV	34°, 57%, 89%
XYZ	48.3997, 46.3198, 17.7072
YIQ	179.3080, 57.1300, -11.1420

Conversions

Conversions Part 2

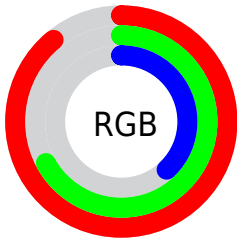
Format	Color
RYB	195, 227, 97
Decimal	14920545
CIELab	73.75, 12.41, 45.58
CIELCh	74, 47.238, 74.769
Yxy	46.3198, 0.4305, 0.4120
Android (android.graphics.Color)	4293110625 (0xFFE3AB61)
YUV	179.3080, -40.5778, 41.8259
Hunter-Lab	68.0587, 7.8371, 32.2152

Details

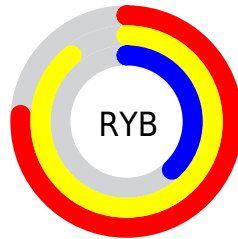
The Yxy color **46.3198, 0.4305, 0.4120** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.8804, 0.2186, 0.2236**, and the grayscale version is **45.4529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8226, 0.3862, 0.4069**, and **21.7237, 0.4593, 0.4290** is the 20% darker color. If you saturate the color by 10%, you get **42.3981, 0.4552, 0.4222**, and if you desaturate by 10%, it is **50.6405, 0.4060, 0.3990**.

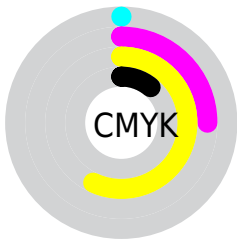
Distribution



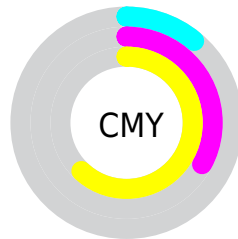
- Red (89%)
- Green (67%)
- Blue (38%)



- Red (76%)
- Yellow (89%)
- Blue (38%)



- Cyan (0%)
- Magenta (25%)
- Yellow (57%)
- Black (11%)





- Cyan (11%)
- Magenta (33%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3198, 0.4305, 0.4120 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 46.3198, 0.4305, 0.4120 by changing the saturation by 10% instead.

 46.3198, 0.4305,
0.4120


 46.3198, 0.4305,
0.4120

372.0929, 0.3730,
0.3742

 32.4983, 0.4437,
0.4197


 84.6974, 0.4103,
0.3994


 21.7424, 0.4598,
0.4285


 110.0223, 0.4025,
0.3943

 13.6677, 0.4794,
0.4380


 139.9503, 0.3958,
0.3899

 7.8899, 0.5030,
0.4470

 174.8660, 0.3900,
0.3860

 4.0246, 0.5397,
0.4603

215.1537, 0.3849,
0.3825

 1.6873, 0.5563,
0.4437

261.1978, 0.3805,

 0.4154, 0.6268,

0.3794

0.3732

313.3828, 0.3765,
0.3767

0.0000, 0.0000,
0.0000

46.3198, 0.4305,
0.4120

46.3198, 0.4305,
0.4120

42.3981, 0.4552,
0.4222

50.6405, 0.4060,
0.3990

38.8522, 0.4788,
0.4284

55.3686, 0.3827,
0.3844

35.6657, 0.5000,
0.4295

60.5203, 0.3612,
0.3691

32.8159, 0.5176,
0.4252

66.1087, 0.3416,
0.3539

32.0835, 0.5222,
0.4236

72.1462, 0.3241,
0.3392

■ 78.6447, 0.3087,
0.3253

■ 85.5550, 0.2955,
0.3132

■ 91.4520, 0.2957,
0.3232

■ 95.0703, 0.2958,
0.3290

Harmonies

Analogous

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



46.3198, 0.4441, 0.3641



46.3198, 0.4305, 0.4120



46.3198, 0.3849, 0.4453

Triad

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



46.3198, 0.4305, 0.4120



46.3198, 0.2162, 0.3316



46.3198, 0.2913, 0.2393

Complementary

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



46.3198, 0.4305, 0.4120



30.8804, 0.2186, 0.2236

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.



46.3198, 0.2364, 0.2269



46.3198, 0.4305, 0.4120



46.3198, 0.1969, 0.2720

Square

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



46.3198, 0.4305, 0.4120



46.3198, 0.2610, 0.4000



46.3198, 0.2040, 0.2367



46.3198, 0.3588, 0.2703

Rectangle

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



46.3198, 0.4305, 0.4120



46.3198, 0.3443, 0.4498



46.3198, 0.2040, 0.2367



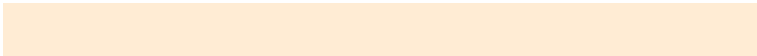
46.3198, 0.2709, 0.2329

Sweetspot

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



46.3221, 0.4305, 0.4120



86.1732, 0.3413, 0.3537



27.1979, 0.4081, 0.2659



18.1194, 0.3451, 0.3567



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.



46.3221, 0.4305, 0.4120



54.1439, 0.4605, 0.4239



70.7567, 0.3876, 0.4677



15.7228, 0.3278, 0.3424



18.9480, 0.5202, 0.4251



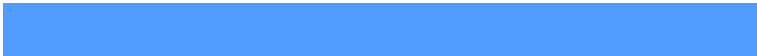
1.5839, 0.5015, 0.4400

Inverse Universe

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



30.8804, 0.2186, 0.2236



32.2786, 0.2006, 0.1964



17.1477, 0.2075, 0.1479



14.9032, 0.2981, 0.3153



8.5287, 0.1711, 0.1360



0.8118, 0.1790, 0.1644

Previews

White Background



This preview shows how the Yxy color 46.3198, 0.4305, 0.4120 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 46.3198, 0.4305, 0.4120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

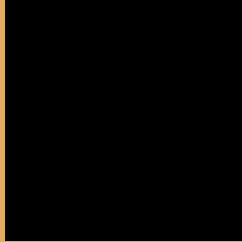
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3198, 0.4305, 0.4120

Background



This preview shows how black text looks on a background with the Yxy color 46.3198, 0.4305, 0.4120.



This preview shows how white text looks on a background with the Yxy color 46.3198, 0.4305, 0.4120.

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

46.3198, 0.4305, 0.4120

Protanopia

46.6748, 0.3949, 0.4297

Deuteranopia

46.2798, 0.4245, 0.4160



Tritanopia

46.2203, 0.3697, 0.3155

Trichromacy



Original Color

46.3198, 0.4305, 0.4120

Protanomaly

46.4625, 0.4075, 0.4227

Deuteranomaly

46.2154, 0.4270, 0.4142

Tritanomaly

45.9745, 0.3941, 0.3512

Monochromacy



Original Color

46.3198, 0.4305, 0.4120

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.9564, 0.3540, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3198, 0.4305, 0.4120 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(227, 171, 97)` looks like.

```
.text, #text, p{  
    color:rgb(227, 171, 97)  
}
```

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(227, 171, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 171, 97) }
```

Border

The CSS property to change the border of an element to Yxy 46.3198, 0.4305, 0.4120 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(227, 171, 97) }
```

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

```
.border{ border-color:rgb(227, 171, 97) }
```

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

Here you see how a box with a 4 pixel rgb(227, 171, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 171, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 171, 97);  
box-shadow:4px 4px 4px 4px rgb(227, 171,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3198, 0.4305, 0.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 171, 97) }
```

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

```
.background{ background-color: rgb(227,  
171, 97) }
```

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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