

Converting Colors

$Yxy(46.4958, 0.4244, 0.4092)$

Have a look what the booklet for
Yxy(46.4958, 0.4244, 0.4092)
contains.

Yxy(46.4719, 0.4240, 0.4088)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.4719, 0.4240, 0.4088)

Conversions

Conversions Part 1

Format	Color
Hex	E1AC66
RGB	225, 172, 102
RGB Percent	88%, 67%, 40%
CMY	0.1177, 0.3254, 0.5999
CMYK	0.00, 0.24, 0.55, 0.12
HSL	34°, 67%, 64%
HSV	34°, 55%, 88%
XYZ	48.1998, 46.4719, 19.0071
YIQ	179.8670, 54.0580, -10.5340

Conversions

Conversions Part 2

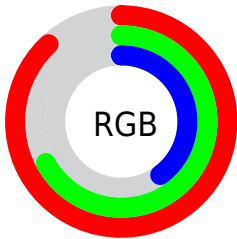
Format	Color
R _Y B	195, 225, 102
Decimal	14789734
CIE Lab	73.85, 11.44, 43.14
CIE LCh	74, 44.629, 75.152
Yxy	46.4719, 0.4240, 0.4088
Android (android.graphics.Color)	4292979814 (0xFFE1AC66)
YUV	179.8670, -38.3884, 39.5816
Hunter-Lab	68.1703, 6.9104, 31.1881

Details

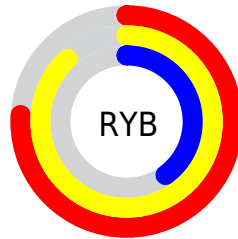
The Yxy color **46.4719, 0.4240, 0.4088** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.7059, 0.2228, 0.2294**, and the grayscale version is **45.7570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5313, 0.3825, 0.4030**, and **21.8964, 0.4526, 0.4259** is the 20% darker color. If you saturate the color by 10%, you get **42.5301, 0.4487, 0.4199**, and if you desaturate by 10%, it is **50.8085, 0.3998, 0.3953**.

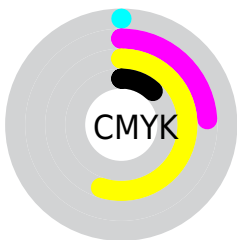
Distribution



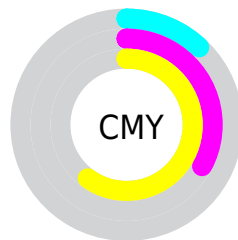
- Red (88%)
- Green (67%)
- Blue (40%)



- Red (76%)
- Yellow (88%)
- Blue (40%)



- Cyan (0%)
- Magenta (24%)
- Yellow (55%)
- Black (12%)





- Cyan (12%)
- Magenta (33%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4719, 0.4240, 0.4088 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 46.4719, 0.4240, 0.4088 by changing the saturation by 10% instead.


 46.4719, 0.4240,
0.4088


 46.4719, 0.4240,
0.4088


372.7026, 0.3695,
0.3720

 32.6184, 0.4367,
0.4165


 84.9248, 0.4048,
0.3964

 21.8343, 0.4522,
0.4254


 110.2930, 0.3974,
0.3915

 13.7352, 0.4713,
0.4353


 140.2681, 0.3910,
0.3872

 7.9367, 0.4946,
0.4454

 175.2346, 0.3855,
0.3834

 4.0545, 0.5356,
0.4644

215.5770, 0.3807,
0.3800

 1.7041, 0.5510,
0.4490

261.6795, 0.3765,

 0.4263, 0.6162,

0.3771

0.3838

313.9266, 0.3728,
0.3744

0.0000, 0.0000,
0.0000

46.4719, 0.4240,
0.4088

46.4719, 0.4240,
0.4088

42.5301, 0.4487,
0.4199

50.8085, 0.3998,
0.3953

38.9605, 0.4728,
0.4272

55.5477, 0.3769,
0.3804

35.7479, 0.4947,
0.4297

60.7050, 0.3559,
0.3651

32.8720, 0.5133,
0.4268

66.2931, 0.3369,
0.3500

31.4571, 0.5221,
0.4236

72.3241, 0.3199,
0.3355

■ 78.8092, 0.3049,
0.3218

■ 85.4650, 0.2943,
0.3136

■ 91.3212, 0.2945,
0.3235

■ 94.7451, 0.2946,
0.3289

Harmonies

Analogous

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



46.4719, 0.4369, 0.3636



46.4719, 0.4240, 0.4088



46.4719, 0.3809, 0.4392

Triad

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



46.4719, 0.4240, 0.4088



46.4719, 0.2209, 0.3310



46.4719, 0.2935, 0.2439

Complementary

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



46.4719, 0.4240, 0.4088



31.7059, 0.2228, 0.2294

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.



46.4719, 0.2409, 0.2319



46.4719, 0.4240, 0.4088



46.4719, 0.2026, 0.2748

Square

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



46.4719, 0.4240, 0.4088



46.4719, 0.2634, 0.3949



46.4719, 0.2096, 0.2413



46.4719, 0.3572, 0.2737

Rectangle

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



46.4719, 0.4240, 0.4088



46.4719, 0.3423, 0.4425



46.4719, 0.2096, 0.2413



46.4719, 0.2740, 0.2377

Sweetspot

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



46.4742, 0.4240, 0.4088



86.9381, 0.3395, 0.3522



27.8907, 0.4015, 0.2683



18.2726, 0.3433, 0.3553



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.



46.4742, 0.4240, 0.4088



55.6000, 0.4532, 0.4215



69.5214, 0.3849, 0.4624



14.9889, 0.3278, 0.3423



18.3662, 0.5201, 0.4252



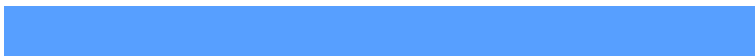
1.4499, 0.5004, 0.4409

Inverse Universe

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



31.7059, 0.2228, 0.2294



34.1006, 0.2048, 0.2031



18.2735, 0.2129, 0.1568



14.2096, 0.2981, 0.3153



8.2749, 0.1712, 0.1362



0.7489, 0.1795, 0.1662

Previews

White Background



This preview shows how the Yxy color 46.4719, 0.4240, 0.4088 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 46.4719, 0.4240, 0.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

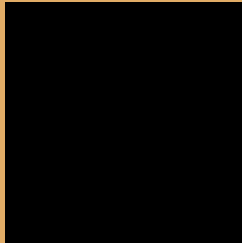
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4719, 0.4240, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 46.4719, 0.4240, 0.4088.



This preview shows how white text looks on a background with the Yxy color 46.4719, 0.4240, 0.4088.

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

46.4719, 0.4240, 0.4088

Protanopia

46.6386, 0.3902, 0.4244

Deuteranopia

46.3760, 0.4206, 0.4109



Tritanopia

46.3179, 0.3656, 0.3143

Trichromacy



Original Color

46.4719, 0.4240, 0.4088

Protanomaly

46.2706, 0.4018, 0.4180

Deuteranomaly

46.5344, 0.4215, 0.4106

Tritanomaly

46.1004, 0.3889, 0.3490

Monochromacy



Original Color

46.4719, 0.4240, 0.4088

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.4470, 0.3511, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4719, 0.4240, 0.4088 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(225, 172, 102)` looks like.

```
.text, #text, p{  
    color:rgb(225, 172, 102)  
}
```

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(225, 172, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 172, 102) }
```

Border

The CSS property to change the border of an element to Yxy 46.4719, 0.4240, 0.4088 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(225, 172, 102) }
```

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

```
.border{ border-color:rgb(225, 172, 102) }
```

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

Here you see how a box with a 4 pixel rgb(225, 172, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 172, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 172, 102);  
box-shadow:4px 4px 4px 4px rgb(225, 172,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4719, 0.4240, 0.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 172, 102) }
```

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

```
.background{ background-color: rgb(225,  
172, 102) }
```

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