

Converting Colors

$Yxy(48.9587, 0.4285, 0.4082)$

Have a look what the booklet for
Yxy(48.9587, 0.4285, 0.4082)
contains.

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Color

Yxy(48.9629, 0.4285, 0.4083)

Conversions

Conversions Part 1

Format	Color
Hex	E9AF67
RGB	233, 175, 103
RGB Percent	91%, 69%, 40%
CMY	0.0862, 0.3137, 0.5961
CMYK	0.00, 0.25, 0.56, 0.09
HSL	33°, 75%, 66%
HSV	33°, 56%, 91%
XYZ	51.3853, 48.9629, 19.5708
YIQ	184.1340, 57.6800, -10.0960

Conversions

Conversions Part 2

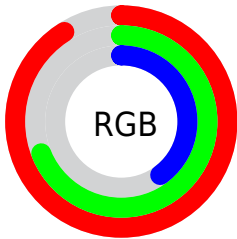
Format	Color
R_{YB}	208, 233, 103
Decimal	15314791
CIE _{Lab}	75.43, 13.23, 44.76
CIE _{LCh}	75, 46.680, 73.531
Yxy	48.9629, 0.4285, 0.4083
Android (android.graphics.Color)	4293504871 (0xFFE9AF67)
YUV	184.1340, -39.9991, 42.8555
Hunter-Lab	69.9735, 8.6284, 32.3987

Details

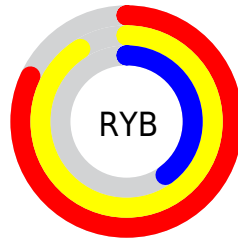
The Yxy color **48.9629, 0.4285, 0.4083** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.2568, 0.2214, 0.2295**, and the grayscale version is **48.2133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2539, 0.3801, 0.4038**, and **23.4216, 0.4565, 0.4246** is the 20% darker color. If you saturate the color by 10%, you get **44.6684, 0.4539, 0.4187**, and if you desaturate by 10%, it is **53.7041, 0.4036, 0.3953**.

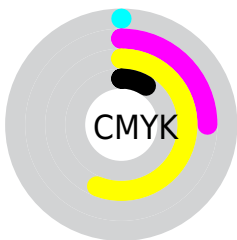
Distribution



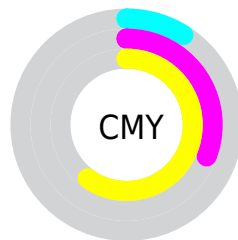
- Red (91%)
- Green (69%)
- Blue (40%)



- Red (82%)
- Yellow (91%)
- Blue (40%)



- Cyan (0%)
- Magenta (25%)
- Yellow (56%)
- Black (9%)




- Cyan (9%)
- Magenta (31%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9629, 0.4285, 0.4083 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 48.9629, 0.4285, 0.4083 by changing the saturation by 10% instead.

 48.9629, 0.4285,
0.4083


 48.9629, 0.4285,
0.4083


382.5962, 0.3723,
0.3725


 34.5901, 0.4414,
0.4156


 88.6363, 0.4088,
0.3964


 23.3473, 0.4571,
0.4239


 114.7057, 0.4012,
0.3916

 14.8501, 0.4763,
0.4329


 145.4428, 0.3946,
0.3874

 8.7143, 0.4998,
0.4418

 181.2318, 0.3890,
0.3837

 4.5553, 0.5408,
0.4592

222.4573, 0.3840,
0.3804

 1.9888, 0.5570,
0.4430

269.5036, 0.3796,

 0.6009, 0.5984,

0.3775

0.4016

322.7551, 0.3758,
0.3749

0.0000, 0.0000,
0.0000

48.9629, 0.4285,
0.4083

48.9629, 0.4285,
0.4083

44.6684, 0.4539,
0.4187

53.7041, 0.4036,
0.3953

40.7954, 0.4785,
0.4251

58.9015, 0.3801,
0.3809

37.3259, 0.5009,
0.4266

64.5728, 0.3585,
0.3660

34.2366, 0.5198,
0.4226

70.7327, 0.3391,
0.3512

33.0400, 0.5269,
0.4198

77.3948, 0.3218,
0.3369

■ 84.5723, 0.3066,
0.3235

■ 91.5420, 0.2993,
0.3218

■ 96.0659, 0.2994,
0.3290

Harmonies

Analogous

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



48.9629, 0.4399, 0.3615



48.9629, 0.4285, 0.4083



48.9629, 0.3854, 0.4412

Triad

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



48.9629, 0.4285, 0.4083



48.9629, 0.2202, 0.3345



48.9629, 0.2895, 0.2407

Complementary

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



48.9629, 0.4285, 0.4083



34.2568, 0.2214, 0.2295

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.



48.9629, 0.2368, 0.2295



48.9629, 0.4285, 0.4083



48.9629, 0.2002, 0.2758

Square

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



48.9629, 0.4285, 0.4083



48.9629, 0.2649, 0.4002



48.9629, 0.2061, 0.2402



48.9629, 0.3548, 0.2703

Rectangle

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



48.9629, 0.4285, 0.4083



48.9629, 0.3462, 0.4462



48.9629, 0.2061, 0.2402



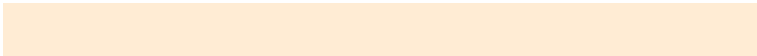
48.9629, 0.2698, 0.2347

Sweetspot

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



48.9653, 0.4285, 0.4083



85.7905, 0.3415, 0.3530



29.6149, 0.4018, 0.2648



18.0289, 0.3453, 0.3560



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.



48.9653, 0.4285, 0.4083



54.0518, 0.4577, 0.4199



75.5162, 0.3879, 0.4641



16.4374, 0.3279, 0.3421



18.9965, 0.5248, 0.4215



1.6832, 0.5062, 0.4363

Inverse Universe

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



34.2568, 0.2214, 0.2295



34.3842, 0.2043, 0.2045



18.8644, 0.2088, 0.1519



15.6554, 0.2980, 0.3156



9.1901, 0.1724, 0.1406



0.9110, 0.1798, 0.1672

Previews

White Background



This preview shows how the Yxy color 48.9629, 0.4285, 0.4083 looks on a white background.

Color Contrast Check

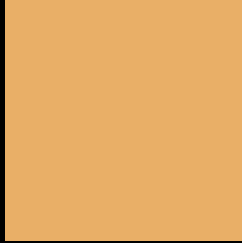
Large Text (above 18pt) WCAG AA × Fail

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 48.9629, 0.4285, 0.4083 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 48.9629, 0.4285, 0.4083

Background



This preview shows how black text looks on a background with the Yxy color 48.9629, 0.4285, 0.4083.



This preview shows how white text looks on a background with the Yxy color 48.9629, 0.4285, 0.4083.

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

48.9629, 0.4285, 0.4083

Protanopia

49.0167, 0.3919, 0.4258

Deuteranopia

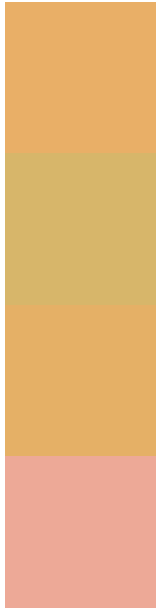
48.7345, 0.4224, 0.4134



Tritanopia

48.8778, 0.3694, 0.3147

Trichromacy



Original Color

48.9629, 0.4285, 0.4083

Protanomaly

48.9436, 0.4051, 0.4187

Deuteranomaly

48.6680, 0.4249, 0.4117

Tritanomaly

48.6148, 0.3933, 0.3495

Monochromacy



Original Color

48.9629, 0.4285, 0.4083

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9709, 0.3530, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9629, 0.4285, 0.4083 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(233, 175, 103)` looks like.

```
.text, #text, p{  
    color:rgb(233, 175, 103)  
}
```

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(233, 175, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 175, 103) }
```

Border

The CSS property to change the border of an element to Yxy 48.9629, 0.4285, 0.4083 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(233, 175, 103) }
```

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

```
.border{ border-color:rgb(233, 175, 103) }
```

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

Here you see how a box with a 4 pixel rgb(233, 175, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 175, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 175, 103);  
box-shadow:4px 4px 4px 4px rgb(233, 175,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9629, 0.4285, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 175, 103) }
```

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

```
.background{ background-color: rgb(233,  
175, 103) }
```

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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