

# Converting Colors

Yxy(50.0035, 0.4107, 0.4100)

Have a look what the booklet for  
Yxy(50.0035, 0.4107, 0.4100)  
contains.

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# Color

**Yxy(50.0208, 0.4109, 0.4105)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0B56E
RGB	224, 181, 110
RGB Percent	88%, 71%, 43%
CMY	0.1217, 0.2901, 0.5687
CMYK	0.00, 0.19, 0.51, 0.12
HSL	37°, 65%, 65%
HSV	37°, 51%, 88%
XYZ	50.0695, 50.0208, 21.7630
YIQ	185.7630, 48.4190, -12.9650

# Conversions

## Conversions Part 2

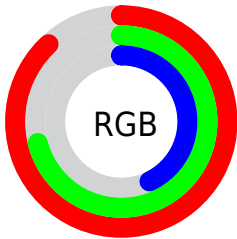
Format	Color
<a href="#">RYB</a>	<a href="#">179, 224, 110</a>
Decimal	<a href="#">14726510</a>
<a href="#">CIELab</a>	<a href="#">76.08, 6.91, 41.83</a>
<a href="#">CIELCh</a>	<a href="#">76, 42.393, 80.620</a>
<a href="#">Yxy</a>	<a href="#">50.0208, 0.4109, 0.4105</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4292916590 (0xFFE0B56E)</a>
<a href="#">YUV</a>	<a href="#">185.7630, -37.3512, 33.5338</a>
<a href="#">Hunter-Lab</a>	<a href="#">70.7254, 2.5984, 31.2636</a>

# Details

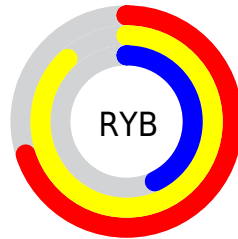
The Yxy color **50.0208, 0.4109, 0.4105** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.4522, 0.2271, 0.2285**, and the grayscale version is **49.1549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4727, 0.3731, 0.4033**, and **23.8716, 0.4353, 0.4283** is the 20% darker color. If you saturate the color by 10%, you get **46.2667, 0.4336, 0.4238**, and if you desaturate by 10%, it is **54.1108, 0.3886, 0.3952**.

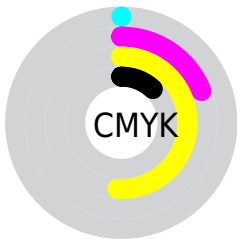
# Distribution



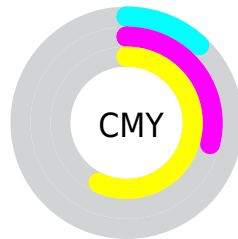
- Red (88%)
- Green (71%)
- Blue (43%)



- Red (70%)
- Yellow (88%)
- Blue (43%)



- Cyan (0%)
- Magenta (19%)
- Yellow (51%)
- Black (12%)




- Cyan (12%)
- Magenta (29%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0208, 0.4109, 0.4105 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 50.0208, 0.4109, 0.4105 by changing the saturation by 10% instead.





 50.0208, 0.4109,  
0.4105


 50.0208, 0.4109,  
0.4105


386.7473, 0.3634,  
0.3725

 35.4299, 0.4218,  
0.4188


 90.2057, 0.3943,  
0.3975


 23.9942, 0.4351,  
0.4286


 116.5685, 0.3878,  
0.3924

 15.3293, 0.4515,  
0.4401


 147.6241, 0.3823,  
0.3879

 9.0509, 0.4717,  
0.4531

 183.7568, 0.3775,  
0.3840

 4.7744, 0.5041,  
0.4741

225.3511, 0.3733,  
0.3806

 2.1155, 0.5238,  
0.4762

272.7914, 0.3696,

 0.6733, 0.5457,

0.3776

0.4543

326.4619, 0.3664,  
0.3749

0.0000, 0.0000,  
0.0000

50.0208, 0.4109,  
0.4105

50.0208, 0.4109,  
0.4105

46.2667, 0.4336,  
0.4238

54.1108, 0.3886,  
0.3952

42.8283, 0.4556,  
0.4337

58.5415, 0.3675,  
0.3788

39.6932, 0.4759,  
0.4393

63.3266, 0.3479,  
0.3621

36.8447, 0.4933,  
0.4397

68.4766, 0.3301,  
0.3459

34.4762, 0.5065,  
0.4360

74.0014, 0.3141,  
0.3303

■ 79.9105, 0.2998,  
0.3157

■ 85.4323, 0.2937,  
0.3138

■ 90.5188, 0.2939,  
0.3224

■ 94.5813, 0.2940,  
0.3289

# Harmonies

## Analogous

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



50.0208, 0.4283, 0.3702



50.0208, 0.4109, 0.4105



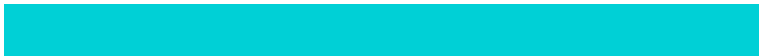
50.0208, 0.3673, 0.4335

# Triad

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



50.0208, 0.4109, 0.4105



50.0208, 0.2222, 0.3206



50.0208, 0.3055, 0.2534

# Complementary

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



50.0208, 0.4109, 0.4105



31.4522, 0.2271, 0.2285

# 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.



50.0208, 0.2535, 0.2388



50.0208, 0.4109, 0.4105



50.0208, 0.2091, 0.2716

# Square

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



50.0208, 0.4109, 0.4105



50.0208, 0.2584, 0.3797



50.0208, 0.2200, 0.2440



50.0208, 0.3646, 0.2840



# Rectangle

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



50.0208, 0.4109, 0.4105



50.0208, 0.3304, 0.4315



50.0208, 0.2200, 0.2440



50.0208, 0.2866, 0.2465

# Sweetspot

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



50.0232, 0.4109, 0.4105



88.9244, 0.3374, 0.3527



29.3123, 0.3999, 0.2784



18.7200, 0.3412, 0.3561



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.



50.0232, 0.4109, 0.4105



61.8283, 0.4348, 0.4244



68.2162, 0.3764, 0.4566



15.1165, 0.3276, 0.3436



20.3030, 0.5048, 0.4374



1.5779, 0.4882, 0.4506



# Inverse Universe

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



31.4522, 0.2271, 0.2285



34.3702, 0.2097, 0.2031



20.7602, 0.2250, 0.1715



14.0853, 0.2981, 0.3140



7.0630, 0.1667, 0.1202



0.6580, 0.1753, 0.1512



# Previews

## White Background



This preview shows how the Yxy color 50.0208, 0.4109, 0.4105 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

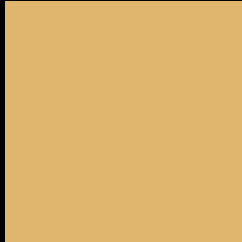
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.0208, 0.4109, 0.4105 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 50.0208, 0.4109, 0.4105**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0208, 0.4109, 0.4105.



This preview shows how white text looks on a background with the Yxy color 50.0208, 0.4109, 0.4105.

# 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

50.0208, 0.4109, 0.4105

### Protanopia

50.1378, 0.3873, 0.4208

### Deuteranopia

49.8600, 0.4158, 0.4071



## Tritanopia

49.9968, 0.3550, 0.3144

# Trichromacy



## Original Color

50.0208, 0.4109, 0.4105

## Protanomaly

49.8648, 0.3961, 0.4164

## Deuteranomaly

50.0992, 0.4143, 0.4084

## Tritanomaly

49.6225, 0.3761, 0.3489

# Monochromacy



## Original Color

50.0208, 0.4109, 0.4105

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.0290, 0.3479, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0208, 0.4109, 0.4105 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(224, 181, 110)` looks like.

```
.text, #text, p{  
    color:rgb(224, 181, 110)  
}
```

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(224, 181, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 181, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0208, 0.4109, 0.4105 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(224, 181, 110) }
```

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

```
.border{ border-color:rgb(224, 181, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 181, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 181, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 181, 110);  
box-shadow:4px 4px 4px 4px rgb(224, 181,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0208, 0.4109, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 181, 110) }
```

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

```
.background{ background-color: rgb(224,  
181, 110) }
```

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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