

Converting Colors

CIELCh(45, 31.763, 110.338)

Have a look what the booklet for
CIELCh(45, 31.763, 110.338)
contains.

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Color

CIELCh(45, 32.246, 110.615)

Conversions

Conversions Part 1

Format	Color
Hex	696F37
RGB	105, 111, 55
RGB Percent	41%, 44%, 22%
CMY	0.5897, 0.5661, 0.7857
CMYK	0.05, 0.00, 0.51, 0.57
HSL	66°, 34%, 32%
HSV	66°, 51%, 43%
XYZ	12.1072, 14.5417, 5.7399
YIQ	102.8220, 14.4000, -18.6880

Conversions

Conversions Part 2

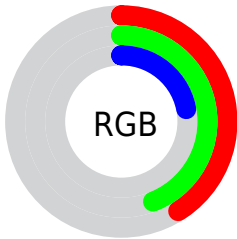
Format	Color
RYB	55, 111, 61
Decimal	6909751
CIELab	45.00, -11.35, 30.18
CIELCh	45, 32.246, 110.615
Yxy	14.5417, 0.3738, 0.4490
Android (android.graphics.Color)	4285099831 (0xFF696F37)
YUV	102.8220, -23.5762, 1.9101
Hunter-Lab	38.1336, -10.0610, 17.7692

Details

The CIELCh color **45, 32.246, 110.615** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **26, 36.604, 299.894**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 32.683, 111.170**, and **25, 32.201, 110.181** is the 20% darker color. If you saturate the color by 10%, you get **45, 37.914, 109.993**, and if you desaturate by 10%, it is **45, 26.197, 111.320**.

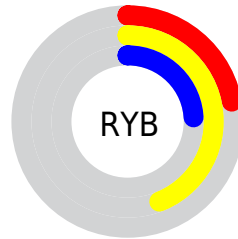
Distribution



Red (41%)

Green (44%)

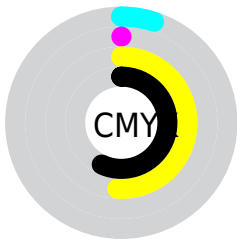
Blue (22%)



Red (22%)

Yellow (44%)

Blue (24%)

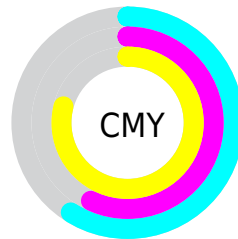


Cyan (5%)

Magenta (0%)

Yellow (51%)

Black (57%)



Cyan (59%)


Magenta (57%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 32.246, 110.615 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 CIELCh color 45, 32.246, 110.615 by changing the saturation by 10% instead.


 45, 32.246,
110.615


 45, 32.246,
110.615


 100, 32.246,
110.615


 35, 32.246,
110.615

 65, 32.246,
110.615


 25, 32.246,
110.615

 75, 32.246,
110.615

 15, 32.246,
110.615

 85, 32.246,
110.615

 5, 32.246, 110.615

 95, 32.246,
110.615

 0, 32.246, 110.615

 45, 32.246,

 45, 32.246,

110.615

■ 45, 37.914,
109.993

■ 45, 42.999,
109.493

■ 44, 47.242,
109.171

■ 44, 50.368,
109.088

■ 44, 52.766,
109.113

110.615

■ 45, 26.197,
111.320

■ 46, 19.906,
112.066

■ 46, 13.468,
112.830

■ 46, 6.947, 113.596

■ 47, 0.387, 114.313

■ 47, 6.185, 295.088

■ 48, 12.746,
295.793

■ 48, 19.282,
296.467

■ 49, 25.781,

Harmonies

Complementary

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



45, 32.246, 110.615



26, 36.604, 299.894

Rectangle

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



45, 32.246, 110.615



45, 32.246, 160.615



45, 32.246, 290.615



45, 32.246, 340.615

Sweetspot

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



45, 32.247, 110.617



59, 12.111, 113.230



32, 25.142, 31.566



30, 8.202, 113.110



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



45, 32.247, 110.617



57, 46.836, 109.882



43, 35.697, 130.242



23, 3.730, 113.716



48, 55.871, 109.166



93, 95.500, 109.517

Inverse Universe

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



26, 36.604, 299.894



29, 55.442, 301.725



29, 37.612, 314.614



21, 3.805, 295.116



12, 75.906, 306.827



32, 130.146, 306.578

Previews

White Background



This preview shows how the CIELCh color 45, 32.246, 110.615 looks on a white 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 × Fail

Black Background



This preview shows how the CIELCh color 45, 32.246, 110.615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

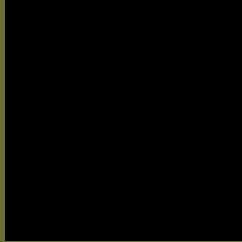
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 32.246, 110.615

Background



This preview shows how black text looks on a background with the CIELCh color 45, 32.246, 110.615.



This preview shows how white text looks on a background with the CIELCh color 45, 32.246, 110.615.

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
45, 32.246, 110.615

Protanopia
45, 31.682, 96.124

Deuteranopia
45, 29.759, 78.359



Tritanopia
45, 5.588, 321.297

Trichromacy



Original Color
45, 32.246, 110.615

Protanomaly
45, 31.255, 101.346

Deuteranomaly
45, 29.662, 91.075

Tritanomaly
45, 9.001, 100.592

Monochromacy



Original Color
45, 32.246, 110.615

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.931, 112.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 32.246, 110.615 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(105, 111, 55)` looks like.

```
.text, #text, p{  
    color:rgb(105, 111, 55)  
}
```

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(105, 111, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 111, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 32.246, 110.615 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(105, 111, 55) }
```

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

```
.border{ border-color:rgb(105, 111, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 111, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 111, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 111, 55);  
box-shadow:4px 4px 4px 4px rgb(105, 111,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 32.246, 110.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 111, 55) }
```

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

```
.background{ background-color: rgb(105,  
111, 55) }
```

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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