

Converting Colors

CIELCh(45, 11.824, 63.422)

Have a look what the booklet for
CIELCh(45, 11.824, 63.422) contains.

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Color

CIELCh(45, 11.917, 63.991)

Conversions

Conversions Part 1

Format	Color
Hex	7A6759
RGB	122, 103, 89
RGB Percent	48%, 40%, 35%
CMY	0.5218, 0.5963, 0.6512
CMYK	0.00, 0.16, 0.27, 0.52
HSL	25°, 16%, 41%
HSV	25°, 27%, 48%
XYZ	14.6621, 14.5417, 11.4722
YIQ	107.0850, 15.8180, -0.3260

Conversions

Conversions Part 2

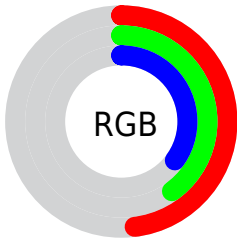
Format	Color
R_{YB}	122, 113, 89
Decimal	8021849
CIE _{Lab}	45.00, 5.23, 10.71
CIE _{LCh}	45, 11.917, 63.991
Yxy	14.5417, 0.3605, 0.3575
Android (android.graphics.Color)	4286211929 (0xFF7A6759)
YUV	107.0850, -8.9159, 13.0805
Hunter-Lab	38.1336, 1.8980, 8.8566

Details

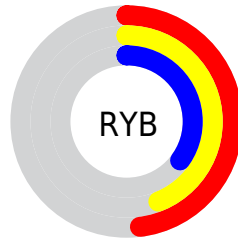
The CIELCh color **45, 11.917, 63.991** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 10.737, 250.410**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 11.944, 63.718**, and **25, 12.266, 63.831** is the 20% darker color. If you saturate the color by 10%, you get **43, 16.805, 63.000**, and if you desaturate by 10%, it is **47, 7.300, 65.009**.

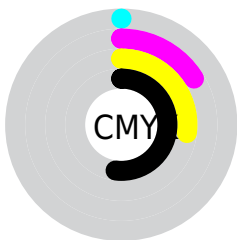
Distribution



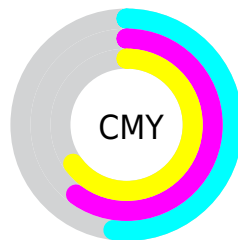
- Red (48%)
- Green (40%)
- Blue (35%)



- Red (48%)
- Yellow (44%)
- Blue (35%)



- Cyan (0%)
- Magenta (16%)
- Yellow (27%)
- Black (52%)



- Cyan (52%)
- Magenta (60%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 11.917, 63.991 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, 11.917, 63.991 by changing the saturation by 10% instead.

■ 45, 11.917, 63.991

■ 45, 11.917, 63.991

■ 100, 11.917,
63.991

■ 35, 11.917, 63.991

■ 65, 11.917, 63.991

■ 25, 11.917, 63.991

■ 75, 11.917, 63.991

■ 15, 11.917, 63.991

■ 85, 11.917, 63.991

■ 5, 11.917, 63.991

■ 95, 11.917, 63.991

■ 0, 11.917, 63.991

■ 45, 11.917, 63.991

■ 45, 11.917, 63.991

■ 43, 16.805, 63.000

■ 47, 7.300, 65.009

■ 41, 21.969, 62.023

■ 50, 2.936, 65.982

■ 39, 27.394, 61.066

■ 52, 1.197, 247.363

■ 37, 33.016, 60.109

■ 54, 5.122, 248.194

■ 35, 38.682, 59.086

■ 57, 8.863, 249.173

■ 33, 44.071, 57.844

■ 59, 12.440,
250.143

■ 31, 48.976, 56.411

■ 61, 15.873,
251.089

■ 31, 50.499, 56.138

■ 64, 19.178,
252.006

■ 66, 22.371,
252.890

Harmonies

Complementary

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



45, 11.917, 63.991



45, 10.737, 250.410

Rectangle

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



45, 11.917, 63.991



45, 11.917, 113.991



45, 11.917, 243.991



45, 11.917, 293.991

Sweetspot

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



45, 11.917, 64.000



63, 4.128, 65.879



42, 17.830, 341.544



32, 2.929, 65.759



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 11.917, 64.000



56, 17.723, 63.427



50, 17.571, 103.899



25, 2.363, 65.797



32, 51.492, 56.084



63, 88.194, 54.028

Inverse Universe

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



45, 10.737, 250.410



55, 15.573, 251.411



40, 18.477, 289.846



24, 2.293, 247.900



30, 35.480, 273.768



59, 62.475, 276.603

Previews

White Background



This preview shows how the CIELCh color 45, 11.917, 63.991 looks on a white background.

Color Contrast Check

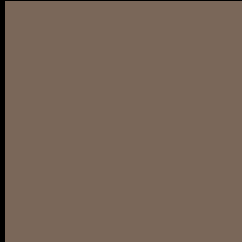
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.917, 63.991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

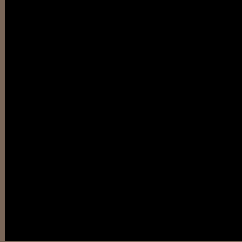
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 11.917, 63.991

Background



This preview shows how black text looks on a background with the CIELCh color 45, 11.917, 63.991.



This preview shows how white text looks on a background with the CIELCh color 45, 11.917, 63.991.

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, 11.917, 63.991

Protanopia

45, 9.279, 92.558

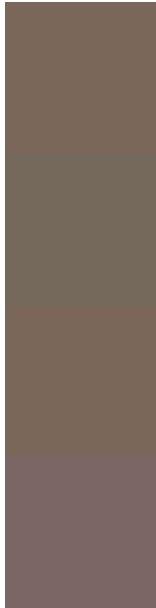
Deuteranopia

45, 12.248, 62.537



Tritanopia
45, 11.080, 355.519

Trichromacy



Original Color
45, 11.917, 63.991

Protanomaly
45, 10.153, 80.502

Deuteranomaly
45, 12.248, 62.537

Tritanomaly
45, 9.399, 20.567

Monochromacy



Original Color
45, 11.917, 63.991

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.365, 74.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 11.917, 63.991 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(122, 103, 89)` looks like.

```
.text, #text, p{  
    color:rgb(122, 103, 89)  
}
```

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(122, 103, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 103, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 11.917, 63.991 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(122, 103, 89) }
```

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

```
.border{ border-color:rgb(122, 103, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 103, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 103, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 103, 89);  
box-shadow:4px 4px 4px 4px rgb(122, 103,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 11.917, 63.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 103, 89) }
```

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

```
.background{ background-color: rgb(122,  
103, 89) }
```

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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