

Converting Colors

CIELCh(45, 13.510, 57.848)

Have a look what the booklet for
CIELCh(45, 13.510, 57.848) contains.

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Color

CIELCh(45, 13.320, 58.612)

Conversions

Conversions Part 1

Format	Color
Hex	7D6658
RGB	125, 102, 88
RGB Percent	49%, 40%, 35%
CMY	0.5102, 0.6003, 0.6552
CMYK	0.00, 0.18, 0.30, 0.51
HSL	23°, 17%, 42%
HSV	23°, 30%, 49%
XYZ	14.9446, 14.5417, 11.2332
YIQ	107.2810, 18.2020, 0.5220

Conversions

Conversions Part 2

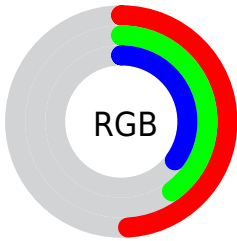
Format	Color
R_{YB}	125, 111, 88
Decimal	8218200
CIE Lab	45.00, 6.94, 11.37
CIE LCh	45, 13.320, 58.612
Yxy	14.5417, 0.3670, 0.3571
Android (android.graphics.Color)	4286408280 (0xFF7D6658)
YUV	107.2810, -9.5055, 15.5396
Hunter-Lab	38.1336, 3.2207, 9.2282

Details

The CIELCh color **45, 13.320, 58.612** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 11.606, 244.948**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 13.216, 58.767**, and **25, 13.033, 57.406** is the 20% darker color. If you saturate the color by 10%, you get **43, 18.412, 57.808**, and if you desaturate by 10%, it is **47, 8.541, 59.469**.

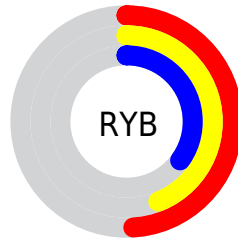
Distribution



Red (49%)

Green (40%)

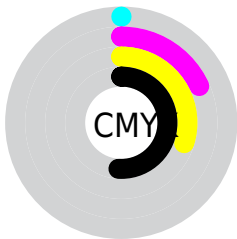
Blue (35%)



Red (49%)

Yellow (44%)

Blue (35%)

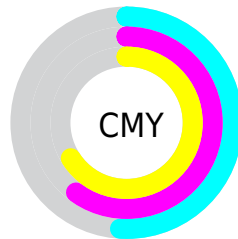


Cyan (0%)

Magenta (18%)

Yellow (30%)

Black (51%)



Cyan (51%)

Magenta (60%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 13.320, 58.612 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, 13.320, 58.612 by changing the saturation by 10% instead.

■ 45, 13.320, 58.612

■ 45, 13.320, 58.612

■ 100, 13.320,
58.612

■ 35, 13.320, 58.612

■ 65, 13.320, 58.612

■ 25, 13.320, 58.612

■ 75, 13.320, 58.612

■ 15, 13.320, 58.612

■ 85, 13.320, 58.612

■ 5, 13.320, 58.612

■ 95, 13.320, 58.612

■ 0, 13.320, 58.612

■ 45, 13.320, 58.612

■ 45, 13.320, 58.612

■ 43, 18.412, 57.808

■ 47, 8.541, 59.469

■ 40, 23.825, 57.045

■ 50, 4.055, 60.320

■ 38, 29.538, 56.331

■ 52, 0.161, 243.322

■ 36, 35.474, 55.640

■ 55, 4.137, 242.307

■ 34, 41.452, 54.889

■ 58, 7.898, 243.183

■ 32, 47.079, 53.880

■ 60, 11.470,
244.072

■ 30, 52.347, 52.889

■ 63, 14.875,
244.950

■ 30, 52.553, 52.865

■ 65, 18.133,
245.808

■ 68, 21.262,
246.642

Harmonies

Complementary

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



45, 13.320, 58.612



45, 11.606, 244.948

Rectangle

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



45, 13.320, 58.612



45, 13.320, 108.612



45, 13.320, 238.612



45, 13.320, 288.612

Sweetspot

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



45, 13.320, 58.620



64, 4.718, 60.352



42, 20.585, 339.331



33, 3.275, 60.252



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 13.320, 58.620



56, 20.636, 58.026



50, 18.674, 101.021



24, 2.332, 60.366



30, 52.567, 52.865



61, 90.471, 51.021

Inverse Universe

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



45, 11.606, 244.948



57, 17.292, 246.209



40, 19.573, 287.904



25, 2.248, 242.262



32, 32.479, 267.392



63, 56.827, 270.332

Previews

White Background



This preview shows how the CIE LCh color 45, 13.320, 58.612 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, 13.320, 58.612 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, 13.320, 58.612

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.320, 58.612.



This preview shows how white text looks on a background with the CIELCh color 45, 13.320, 58.612.

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, 13.320, 58.612

Protanopia

45, 9.852, 93.398

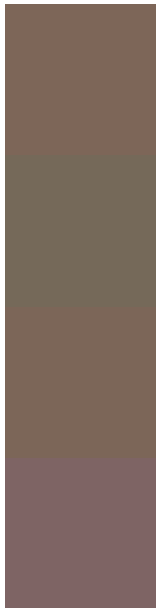
Deuteranopia

45, 12.615, 61.142



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 13.320, 58.612

Protanomaly
45, 10.900, 79.785

Deuteranomaly
45, 12.964, 59.842

Tritanomaly
45, 11.176, 20.812

Monochromacy



Original Color
45, 13.320, 58.612

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.831, 57.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.320, 58.612 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(125, 102, 88)` looks like.

```
.text, #text, p{  
    color:rgb(125, 102, 88)  
}
```

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(125, 102, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 102, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.320, 58.612 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(125, 102, 88) }
```

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

```
.border{ border-color:rgb(125, 102, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 102, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 102, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 102, 88);  
box-shadow:4px 4px 4px 4px rgb(125, 102,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.320, 58.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 102, 88) }
```

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

```
.background{ background-color: rgb(125,  
102, 88) }
```

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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