

Converting Colors

CIELCh(45, 13.715, 74.916)

Have a look what the booklet for
CIELCh(45, 13.715, 74.916) contains.

CIELCh(45, 13.687, 74.742)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 13.687, 74.742)

Conversions

Conversions Part 1

Format	Color
Hex	796855
RGB	121, 104, 85
RGB Percent	47%, 41%, 33%
CMY	0.5266, 0.5932, 0.6677
CMYK	0.00, 0.14, 0.30, 0.53
HSL	32°, 18%, 40%
HSV	32°, 30%, 47%
XYZ	14.3973, 14.5417, 10.5871
YIQ	106.9170, 16.2310, -2.3050

Conversions

Conversions Part 2

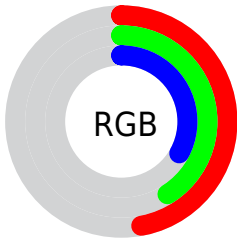
Format	Color
R_{YB}	117, 121, 85
Decimal	7956565
CIE Lab	45.00, 3.60, 13.20
CIE LCh	45, 13.687, 74.742
Yxy	14.5417, 0.3642, 0.3679
Android (android.graphics.Color)	4286146645 (0xFF796855)
YUV	106.9170, -10.8051, 12.3508
Hunter-Lab	38.1336, 0.6587, 10.2327

Details

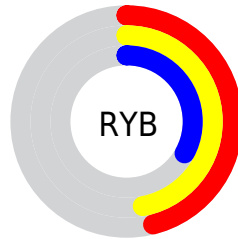
The CIELCh color $45, 13.687, 74.742$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 12.831, 262.844$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 13.568, 74.017$, and $25, 13.655, 73.614$ is the 20% darker color. If you saturate the color by 10%, you get $43, 18.652, 73.499$, and if you desaturate by 10%, it is $47, 8.912, 75.977$.

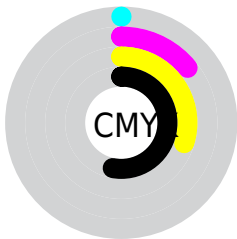
Distribution



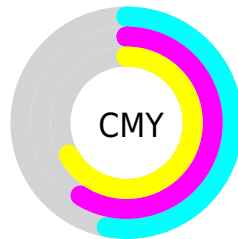
- Red (47%)
- Green (41%)
- Blue (33%)



- Red (46%)
- Yellow (47%)
- Blue (33%)



- Cyan (0%)
- Magenta (14%)
- Yellow (30%)
- Black (53%)



- Cyan (53%)
- Magenta (59%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 13.687, 74.742 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, 13.687, 74.742 by changing the saturation by 10% instead.

■ 45, 13.687, 74.742

■ 45, 13.687, 74.742

■ 100, 13.687,
74.742

■ 35, 13.687, 74.742

■ 65, 13.687, 74.742

■ 25, 13.687, 74.742

■ 75, 13.687, 74.742

■ 15, 13.687, 74.742

■ 85, 13.687, 74.742

■ 5, 13.687, 74.742

■ 95, 13.687, 74.742

■ 0, 13.687, 74.742

■ 45, 13.687, 74.742

■ 45, 13.687, 74.742

■ 43, 18.652, 73.499

■ 47, 8.912, 75.977

■ 41, 23.791, 72.227

■ 49, 4.323, 77.163

■ 40, 29.058, 70.924

■ 51, 0.089, 261.075

■ 38, 34.345, 69.556

■ 53, 4.340, 259.613

■ 36, 39.432, 68.045

■ 55, 8.444, 260.702

■ 35, 43.924, 66.230

■ 57, 12.417,
261.768

■ 33, 48.142, 64.443

■ 59, 16.272,
262.796

■ 33, 48.237, 64.419

■ 61, 20.023,
263.782

■ 63, 23.680,
264.724

Harmonies

Complementary

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



45, 13.687, 74.742



42, 12.831, 262.844

Rectangle

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



45, 13.687, 74.742



45, 13.687, 124.742



45, 13.687, 254.742



45, 13.687, 304.742

Sweetspot

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



45, 13.687, 74.750



63, 4.942, 77.229



40, 18.308, 347.231



32, 3.424, 77.091



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, 13.687, 74.750



57, 20.915, 73.863



50, 20.759, 108.158



25, 2.508, 77.245



34, 49.471, 64.278



68, 83.977, 62.163

Inverse Universe

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



42, 12.831, 262.844



53, 19.271, 264.253



37, 22.233, 294.186



24, 2.468, 259.579



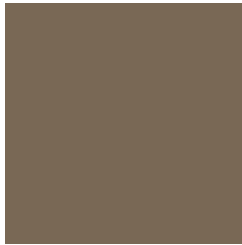
26, 43.493, 285.100



52, 77.264, 287.585

Previews

White Background



This preview shows how the CIELCh color 45, 13.687, 74.742 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, 13.687, 74.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

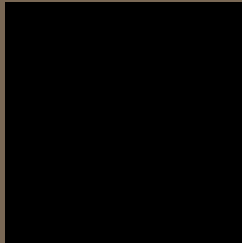
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.687, 74.742

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.687, 74.742.

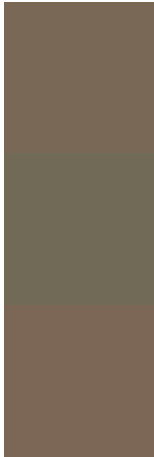


This preview shows how white text looks on a background with the CIELCh color 45, 13.687, 74.742.

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, 13.687, 74.742

Protanopia

45, 12.263, 93.850

Deuteranopia

45, 14.265, 64.822



Tritanopia
45, 10.700, 354.473

Trichromacy



Original Color
45, 13.687, 74.742

Protanomaly
45, 12.317, 85.185

Deuteranomaly
45, 14.069, 68.971

Tritanomaly
45, 9.015, 24.258

Monochromacy



Original Color
45, 13.687, 74.742

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.866, 78.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.687, 74.742 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(121, 104, 85)` looks like.

```
.text, #text, p{  
    color:rgb(121, 104, 85)  
}
```

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(121, 104, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 104, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.687, 74.742 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(121, 104, 85) }
```

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

```
.border{ border-color:rgb(121, 104, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 104, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 104, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 104, 85);  
box-shadow:4px 4px 4px 4px rgb(121, 104,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.687, 74.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 104, 85) }
```

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

```
.background{ background-color: rgb(121,  
104, 85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor