

Converting Colors

CIELCh(45, 13.530, 101.494)

Have a look what the booklet for
CIELCh(45, 13.530, 101.494)
contains.

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Color

CIELCh(45, 13.725, 100.803)

Conversions

Conversions Part 1

Format	Color
Hex	6F6B54
RGB	111, 107, 84
RGB Percent	44%, 42%, 33%
CMY	0.5646, 0.5803, 0.6705
CMYK	0.00, 0.04, 0.24, 0.56
HSL	51°, 14%, 38%
HSV	51°, 24%, 44%
XYZ	13.4197, 14.5417, 10.4917
YIQ	105.5740, 9.7670, -6.3050

Conversions

Conversions Part 2

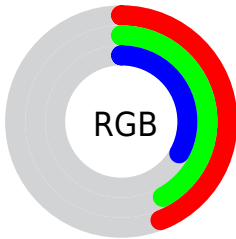
Format	Color
R_{YB}	89, 111, 84
Decimal	7301972
CIE _{Lab}	45.00, -2.57, 13.48
CIE _{LCh}	45, 13.725, 100.803
Yxy	14.5417, 0.3490, 0.3782
Android (android.graphics.Color)	4285492052 (0xFF6F6B54)
YUV	105.5740, -10.6360, 4.7586
Hunter-Lab	38.1336, -3.9172, 10.3811

Details

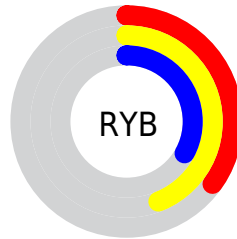
The CIELCh color **45, 13.725, 100.803** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 14.210, 286.311**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 13.411, 100.048**, and **25, 13.725, 100.937** is the 20% darker color. If you saturate the color by 10%, you get **44, 19.354, 99.730**, and if you desaturate by 10%, it is **46, 8.073, 101.867**.

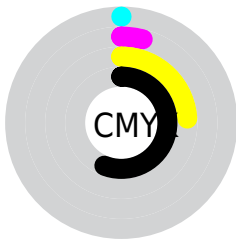
Distribution



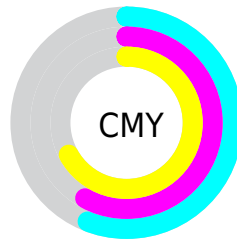
- Red (44%)
- Green (42%)
- Blue (33%)



- Red (35%)
- Yellow (44%)
- Blue (33%)



- Cyan (0%)
- Magenta (4%)
- Yellow (24%)
- Black (56%)





- Cyan (56%)
- Magenta (58%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 13.725, 100.803 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, 13.725, 100.803 by changing the saturation by 10% instead.


 45, 13.725,
100.803


 45, 13.725,
100.803


 100, 13.725,
100.803


 35, 13.725,
100.803

 65, 13.725,
100.803


 25, 13.725,
100.803

 75, 13.725,
100.803

 15, 13.725,
100.803

 85, 13.725,
100.803

 5, 13.725, 100.803

 95, 13.725,
100.803

 0, 13.725, 100.803

 45, 13.725,

 45, 13.725,

100.803

100.803

■ 44, 19.354, 99.730

■ 46, 8.073, 101.867

■ 44, 24.902, 98.642

■ 47, 2.426, 102.880

■ 43, 30.282, 97.555

■ 47, 3.196, 283.948

■ 42, 35.353, 96.477

■ 48, 8.781, 284.903

■ 42, 39.894, 95.417

■ 49, 14.324,
285.831

■ 41, 43.603, 94.374

■ 50, 19.821,
286.721

■ 41, 46.235, 93.339

■ 40, 47.711, 92.775

■ 51, 25.271,
287.569

■ 52, 30.673,
288.375

■ 53, 36.026,
289.139

Harmonies

Complementary

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



45, 13.725, 100.803



38, 14.210, 286.311

Rectangle

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



45, 13.725, 100.803



45, 13.725, 150.803



45, 13.725, 280.803



45, 13.725, 330.803

Sweetspot

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



45, 13.726, 100.809



60, 4.911, 102.599



39, 12.061, 9.450



31, 3.217, 102.561



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 13.726, 100.809



58, 20.410, 100.221



45, 16.438, 122.432



23, 3.194, 102.415



44, 50.353, 92.680



85, 85.601, 92.021

Inverse Universe

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



38, 14.210, 286.311



47, 21.323, 287.135



38, 17.142, 305.032



21, 3.238, 284.341



14, 68.412, 303.080



34, 121.805, 304.297

Previews

White Background



This preview shows how the CIELCh color 45, 13.725, 100.803 looks on a white background.

Color Contrast Check

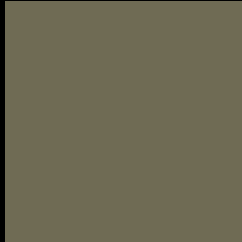
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.725, 100.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

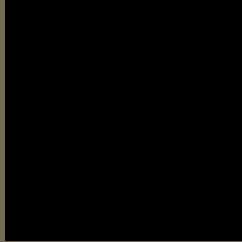
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

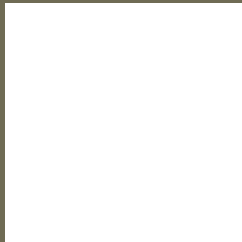
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 13.725, 100.803

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.725, 100.803.



This preview shows how white text looks on a background with the CIELCh color 45, 13.725, 100.803.

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, 13.725, 100.803

Protanopia

45, 13.413, 94.878

Deuteranopia

45, 14.265, 64.822



Tritanopia
45, 6.586, 333.781

Trichromacy



Original Color
45, 13.725, 100.803

Protanomaly
45, 13.314, 96.751

Deuteranomaly
45, 13.186, 77.977

Tritanomaly
45, 4.191, 44.911

Monochromacy



Original Color
45, 13.725, 100.803

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 4.826, 99.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.725, 100.803 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(111, 107, 84)` looks like.

```
.text, #text, p{  
    color:rgb(111, 107, 84)  
}
```

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(111, 107, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 107, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.725, 100.803 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(111, 107, 84) }
```

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

```
.border{ border-color:rgb(111, 107, 84) }
```

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

Here you see how a box with a 4 pixel rgb(111, 107, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 107, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 107, 84);  
box-shadow:4px 4px 4px 4px rgb(111, 107,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.725, 100.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 107, 84) }
```

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

```
.background{ background-color: rgb(111,  
107, 84) }
```

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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