

Converting Colors

CIELCh(45, 13.882, 96.768)

Have a look what the booklet for
CIELCh(45, 13.882, 96.768) contains.

CIELCh(45, 13.870, 97.144)	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, 13.870, 97.144)

Conversions

Conversions Part 1

Format	Color
Hex	716B54
RGB	113, 107, 84
RGB Percent	44%, 42%, 33%
CMY	0.5586, 0.5821, 0.6722
CMYK	0.00, 0.05, 0.26, 0.56
HSL	48°, 15%, 38%
HSV	48°, 26%, 44%
XYZ	13.5512, 14.5417, 10.3957
YIQ	106.1720, 10.9590, -5.8810

Conversions

Conversions Part 2

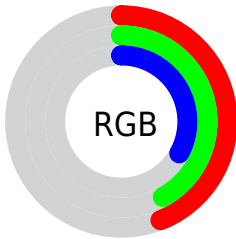
Format	Color
RYB	92, 113, 84
Decimal	7433044
CIELab	45.00, -1.72, 13.76
CIElCh	45, 13.870, 97.144
Yxy	14.5417, 0.3521, 0.3778
Android (android.graphics.Color)	4285623124 (0xFF716B54)
YUV	106.1720, -10.9308, 5.9882
Hunter-Lab	38.1336, -3.3017, 10.5304

Details

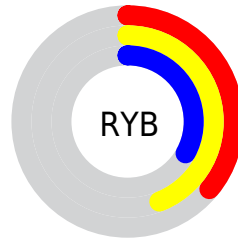
The CIELCh color **45, 13.870, 97.144** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **38, 14.237, 283.311**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 13.557, 96.634**, and **25, 13.882, 96.768** is the 20% darker color. If you saturate the color by 10%, you get **44, 19.290, 95.997**, and if you desaturate by 10%, it is **46, 8.454, 98.274**.

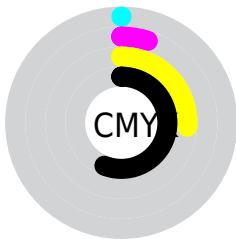
Distribution



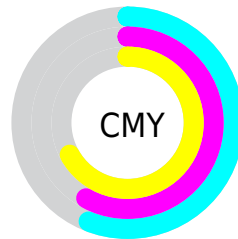
- Red (44%)
- Green (42%)
- Blue (33%)



- Red (36%)
- Yellow (44%)
- Blue (33%)



- Cyan (0%)
- Magenta (5%)
- Yellow (26%)
- Black (56%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 13.870, 97.144 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, 13.870, 97.144 by changing the saturation by 10% instead.

■ 45, 13.870, 97.144

■ 45, 13.870, 97.144

■ 100, 13.870,
97.144

■ 35, 13.870, 97.144

■ 65, 13.870, 97.144

■ 25, 13.870, 97.144

■ 75, 13.870, 97.144

■ 15, 13.870, 97.144

■ 85, 13.870, 97.144

■ 5, 13.870, 97.144

■ 95, 13.870, 97.144

■ 0, 13.870, 97.144

■ 45, 13.870, 97.144

■ 45, 13.870, 97.144

■ 44, 19.290, 95.997

■ 46, 8.454, 98.274

■ 43, 24.661, 94.824

■ 47, 3.067, 99.350

■ 42, 29.900, 93.635

■ 48, 2.275, 280.493

■ 42, 34.864, 92.431

■ 49, 7.566, 281.483

■ 41, 39.328, 91.205

■ 50, 12.801,
282.457

■ 40, 42.966, 89.934

■ 51, 17.980,
283.392

■ 39, 45.612, 88.603

■ 39, 46.800, 88.069

■ 52, 23.104,
284.282

■ 53, 28.174,
285.128

■ 54, 33.192,
285.930

Harmonies

Complementary

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



45, 13.870, 97.144



38, 14.237, 283.311

Rectangle

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



45, 13.870, 97.144



45, 13.870, 147.144



45, 13.870, 277.144



45, 13.870, 327.144

Sweetspot

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



45, 13.871, 97.150



59, 5.279, 99.093



39, 13.150, 4.570



31, 3.784, 98.960



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, 13.871, 97.150



57, 20.624, 96.455



46, 17.383, 119.723



23, 3.003, 99.009



42, 48.913, 87.953



82, 83.125, 86.960

Inverse Universe

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



38, 14.237, 283.311



47, 21.326, 284.288



37, 18.253, 302.826



22, 3.034, 281.036



16, 64.242, 301.165



36, 115.313, 302.688

Previews

White Background



This preview shows how the CIELCh color 45, 13.870, 97.144 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, 13.870, 97.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

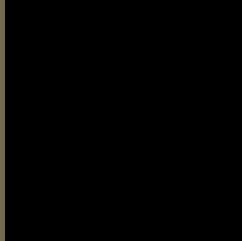
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.870, 97.144

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.870, 97.144.



This preview shows how white text looks on a background with the CIELCh color 45, 13.870, 97.144.

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, 13.870, 97.144

Protanopia

45, 13.988, 95.318

Deuteranopia

45, 14.721, 66.270



Tritanopia
45, 7.174, 338.684

Trichromacy



Original Color
45, 13.870, 97.144

Protanomaly
45, 13.988, 95.318

Deuteranomaly
45, 13.947, 77.475

Tritanomaly
45, 4.982, 40.790

Monochromacy



Original Color
45, 13.870, 97.144

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, 13.870, 97.144 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(113, 107, 84)` looks like.

```
.text, #text, p{  
    color:rgb(113, 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(113, 107, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 107, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.870, 97.144 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(113, 107, 84) }
```

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

```
.border{ border-color:rgb(113, 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(113, 107, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 107, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 107, 84);  
box-shadow:4px 4px 4px 4px rgb(113, 107,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.870, 97.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 107, 84) }
```

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

```
.background{ background-color: rgb(113,  
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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