

Converting Colors

CIELCh(45, 14.693, 37.175)

Have a look what the booklet for
CIELCh(45, 14.693, 37.175) contains.

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Color

CIELCh(45, 14.859, 37.156)

Conversions

Conversions Part 1

Format	Color
Hex	83635C
RGB	131, 99, 92
RGB Percent	51%, 39%, 36%
CMY	0.4860, 0.6115, 0.6389
CMYK	0.00, 0.24, 0.30, 0.49
HSL	11°, 17%, 44%
HSV	11°, 30%, 51%
XYZ	15.7744, 14.5417, 12.1162
YIQ	107.7700, 21.3190, 4.6070

Conversions

Conversions Part 2

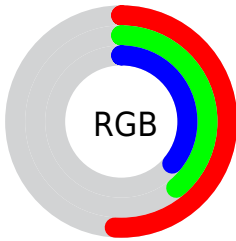
Format	Color
R_{YB}	131, 101, 92
Decimal	8610652
CIE _{Lab}	45.00, 11.84, 8.97
CIE _{LCh}	45, 14.859, 37.156
Yxy	14.5417, 0.3718, 0.3427
Android (android.graphics.Color)	4286800732 (0xFF83635C)
YUV	107.7700, -7.7746, 20.3727
Hunter-Lab	38.1336, 7.1048, 7.8553

Details

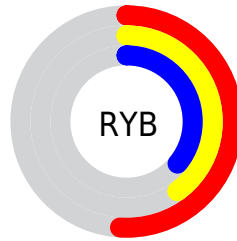
The CIELCh color **45, 14.859, 37.156** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **50, 12.169, 218.111**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 14.956, 37.722**, and **25, 15.247, 36.767** is the 20% darker color. If you saturate the color by 10%, you get **42, 20.665, 37.469**, and if you desaturate by 10%, it is **48, 9.475, 37.013**.

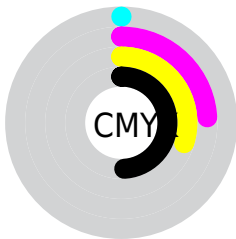
Distribution



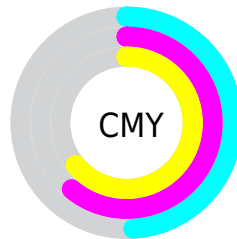
- Red (51%)
- Green (39%)
- Blue (36%)



- Red (51%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (24%)
- Yellow (30%)
- Black (49%)



- Cyan (49%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 14.859, 37.156 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, 14.859, 37.156 by changing the saturation by 10% instead.

■ 45, 14.859, 37.156

■ 45, 14.859, 37.156

■ 100, 14.859,
37.156

■ 35, 14.859, 37.156

■ 65, 14.859, 37.156

■ 25, 14.859, 37.156

■ 75, 14.859, 37.156

■ 15, 14.859, 37.156

■ 85, 14.859, 37.156

■ 5, 14.859, 37.156

■ 95, 14.859, 37.156

■ 0, 14.859, 37.156

■ 45, 14.859, 37.156

■ 45, 14.859, 37.156

■ 42, 20.665, 37.469

■ 48, 9.475, 37.013

■ 39, 26.895, 37.973

■ 52, 4.496, 36.960

■ 36, 33.510, 38.712

■ 55, 0.109, 220.828

■ 34, 40.416, 39.694

■ 58, 4.373, 217.398

■ 31, 47.406, 40.860

■ 62, 8.334, 217.575

■ 30, 54.032, 41.975

■ 65, 12.026,
217.819

■ 28, 59.562, 42.741

■ 69, 15.481,
218.097

■ 28, 59.687, 42.766

■ 72, 18.727,
218.397

■ 75, 21.790,
218.709

Harmonies

Complementary

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



45, 14.859, 37.156



50, 12.169, 218.111

Rectangle

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



45, 14.859, 37.156



45, 14.859, 87.156



45, 14.859, 217.156



45, 14.859, 267.156

Sweetspot

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



45, 14.858, 37.163



66, 5.138, 36.957



44, 24.682, 331.162



34, 3.617, 36.963



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 14.858, 37.163



55, 22.967, 37.360



50, 16.191, 87.443



26, 2.617, 36.957



28, 59.290, 42.739



0, 0.606, 37.129

Inverse Universe

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



50, 12.169, 218.111



63, 17.798, 218.550



44, 16.088, 275.506



27, 2.476, 217.395



41, 26.441, 229.965



0, 0.606, 217.149

Previews

White Background



This preview shows how the CIELCh color 45, 14.859, 37.156 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 CIE LCh color 45, 14.859, 37.156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

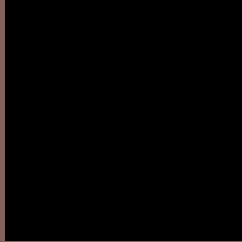
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 14.859, 37.156

Background



This preview shows how black text looks on a background with the CIELCh color 45, 14.859, 37.156.

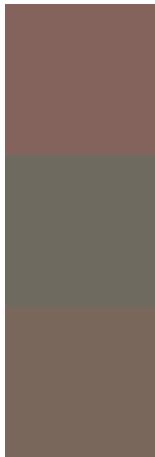


This preview shows how white text looks on a background with the CIELCh color 45, 14.859, 37.156.

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, 14.859, 37.156

Protanopia

45, 6.308, 89.506

Deuteranopia

45, 11.064, 59.961



Tritanopia
45, 15.528, 3.838

Trichromacy



Original Color
45, 14.859, 37.156

Protanomaly
45, 8.079, 55.919

Deuteranomaly
45, 12.173, 52.604

Tritanomaly
45, 14.707, 16.755

Monochromacy



Original Color
45, 14.859, 37.156

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.973, 40.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 14.859, 37.156 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(131, 99, 92)` looks like.

```
.text, #text, p{  
    color:rgb(131, 99, 92)  
}
```

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(131, 99, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 99, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 14.859, 37.156 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(131, 99, 92) }
```

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

```
.border{ border-color:rgb(131, 99, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 99, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 99, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 99, 92);  
box-shadow:4px 4px 4px 4px rgb(131, 99,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 14.859, 37.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 99, 92) }
```

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

```
.background{ background-color: rgb(131, 99,  
92) }
```

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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