

Converting Colors

CIELCh(45, 14.492, 42.370)

Have a look what the booklet for
CIELCh(45, 14.492, 42.370) contains.

CIELCh(45, 14.459, 42.371)	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, 14.459, 42.371)

Conversions

Conversions Part 1

Format	Color
Hex	82645B
RGB	130, 100, 91
RGB Percent	51%, 39%, 36%
CMY	0.4913, 0.6088, 0.6441
CMYK	0.00, 0.23, 0.30, 0.49
HSL	14°, 18%, 43%
HSV	14°, 30%, 51%
XYZ	15.5754, 14.5417, 11.8277
YIQ	107.9440, 20.7690, 3.5610

Conversions

Conversions Part 2

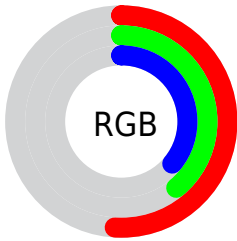
Format	Color
R_{YB}	130, 103, 91
Decimal	8545371
CIE _{Lab}	45.00, 10.68, 9.74
CIE _{LCh}	45, 14.459, 42.371
Y _{xy}	14.5417, 0.3713, 0.3467
Android (android.graphics.Color)	4286735451 (0xFF82645B)
YUV	107.9440, -8.3534, 19.3431
Hunter-Lab	38.1336, 6.1734, 8.3039

Details

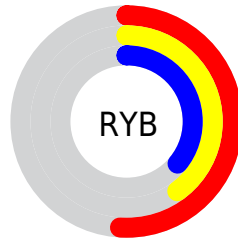
The CIELCh color $45, 14.459, 42.371$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $49, 11.917, 224.909$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 14.597, 42.627$, and $25, 14.795, 42.164$ is the 20% darker color. If you saturate the color by 10%, you get $42, 20.052, 42.376$, and if you desaturate by 10%, it is $48, 9.271, 42.504$.

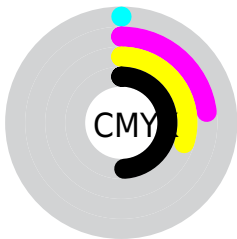
Distribution



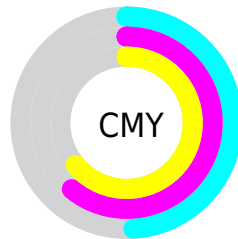
- Red (51%)
- Green (39%)
- Blue (36%)



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



- Cyan (0%)
- Magenta (23%)
- Yellow (30%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 14.459, 42.371 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, 14.459, 42.371 by changing the saturation by 10% instead.

■ 45, 14.459, 42.371

■ 45, 14.459, 42.371

■ 100, 14.459,
42.371

■ 35, 14.459, 42.371

■ 65, 14.459, 42.371

■ 25, 14.459, 42.371

■ 75, 14.459, 42.371

■ 15, 14.459, 42.371

■ 85, 14.459, 42.371

■ 5, 14.459, 42.371

■ 95, 14.459, 42.371

■ 0, 14.459, 42.371

■ 45, 14.459, 42.371

■ 45, 14.459, 42.371

■ 42, 20.052, 42.376

■ 48, 9.271, 42.504

■ 39, 26.059, 42.530

■ 51, 4.468, 42.703

37, 32.453, 42.862

54, 0.018, 21.606

34, 39.150, 43.369

57, 4.115, 223.586

32, 45.952, 43.979

61, 7.963, 223.961

30, 52.422, 44.462

64, 11.559,
224.393

29, 58.003, 44.726

67, 14.935,
224.850

70, 18.116,
225.319

73, 21.126,
225.791

Harmonies

Complementary

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



45, 14.459, 42.371



49, 11.917, 224.909

Rectangle

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



45, 14.459, 42.371



45, 14.459, 92.371



45, 14.459, 222.371



45, 14.459, 272.371

Sweetspot

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



45, 14.458, 42.378



65, 4.936, 42.719



44, 23.870, 333.003



33, 3.430, 42.695



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 14.458, 42.378



55, 22.017, 42.361



50, 16.948, 91.310



25, 2.462, 42.721



28, 57.153, 44.684



0, 0.000, 0.000

Inverse Universe

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



49, 11.917, 224.909



61, 17.246, 225.564



43, 17.125, 279.215



26, 2.337, 223.584



38, 26.689, 240.707



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 14.459, 42.371 looks on a white background.

Color Contrast Check

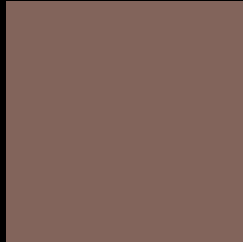
Large Text (above 18pt) WCAG AA ✓ Pass

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, 14.459, 42.371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

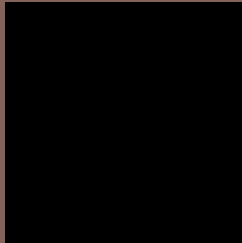
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 14.459, 42.371

Background



This preview shows how black text looks on a background with the CIELCh color 45, 14.459, 42.371.

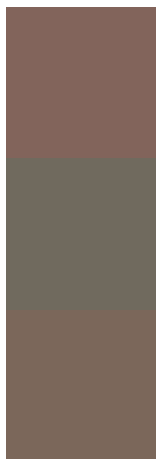


This preview shows how white text looks on a background with the CIELCh color 45, 14.459, 42.371.

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, 14.459, 42.371

Protanopia

45, 7.578, 89.198

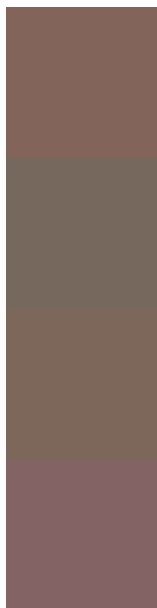
Deuteranopia

45, 11.824, 60.608



Tritanopia
45, 14.552, 4.891

Trichromacy



Original Color
45, 14.459, 42.371

Protanomaly
45, 8.973, 66.366

Deuteranomaly
45, 12.539, 54.734

Tritanomaly
45, 13.815, 18.753

Monochromacy



Original Color
45, 14.459, 42.371

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, 14.459, 42.371 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(130, 100, 91)` looks like.

```
.text, #text, p{  
    color:rgb(130, 100, 91)  
}
```

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(130, 100, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 100, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 14.459, 42.371 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(130, 100, 91) }
```

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

```
.border{ border-color:rgb(130, 100, 91) }
```

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

Here you see how a box with a 4 pixel rgb(130, 100, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 100, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 100, 91);  
box-shadow:4px 4px 4px 4px rgb(130, 100,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 14.459, 42.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 100, 91) }
```

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

```
.background{ background-color: rgb(130,  
100, 91) }
```

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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