

Converting Colors

CIELCh(45, 13.249, 21.149)

Have a look what the booklet for
CIELCh(45, 13.249, 21.149) contains.

CIELCh(45, 13.413, 21.121)	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, 13.413, 21.121)

Conversions

Conversions Part 1

Format	Color
Hex	826363
RGB	130, 99, 99
RGB Percent	51%, 39%, 39%
CMY	0.4906, 0.6121, 0.6121
CMYK	0.00, 0.24, 0.24, 0.49
HSL	0°, 14%, 45%
HSV	0°, 24%, 51%
XYZ	15.8900, 14.5417, 13.7493
YIQ	108.2690, 18.4760, 6.5720

Conversions

Conversions Part 2

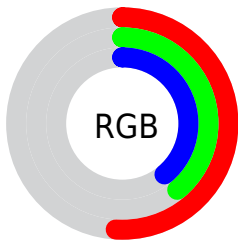
Format	Color
R_{YB}	130, 99, 99
Decimal	8545123
CIE _{Lab}	45.00, 12.51, 4.83
CIE _{LCh}	45, 13.413, 21.121
Yxy	14.5417, 0.3597, 0.3291
Android (android.graphics.Color)	4286735203 (0xFF826363)
YUV	108.2690, -4.5696, 19.0581
Hunter-Lab	38.1336, 7.6458, 5.3161

Details

The CIELCh color **45, 13.413, 21.121** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **52, 11.513, 198.257**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 13.557, 20.674**, and **25, 13.562, 19.418** is the 20% darker color. If you saturate the color by 10%, you get **41, 19.733, 22.240**, and if you desaturate by 10%, it is **49, 7.503, 20.249**.

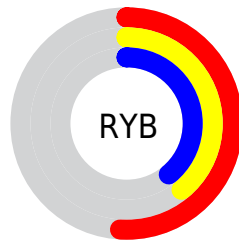
Distribution



Red (51%)

Green (39%)

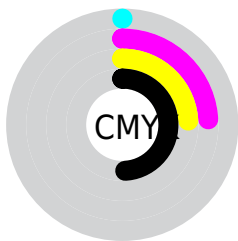
Blue (39%)



Red (51%)

Yellow (39%)

Blue (39%)

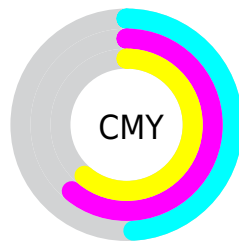


Cyan (0%)

Magenta (24%)

Yellow (24%)

Black (49%)



Cyan (49%)

Magenta (61%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 13.413, 21.121 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, 13.413, 21.121 by changing the saturation by 10% instead.

■ 45, 13.413, 21.121

■ 45, 13.413, 21.121

■ 100, 13.413,
21.121

■ 35, 13.413, 21.121

■ 65, 13.413, 21.121

■ 25, 13.413, 21.121

■ 75, 13.413, 21.121

■ 15, 13.413, 21.121

■ 85, 13.413, 21.121

■ 5, 13.413, 21.121

■ 95, 13.413, 21.121

■ 0, 13.413, 21.121

■ 45, 13.413, 21.121

■ 45, 13.413, 21.121

■ 41, 19.733, 22.240

■ 49, 7.503, 20.249

■ 38, 26.424, 23.676

■ 53, 2.012, 19.435

35, 33.390, 25.531

57, 3.080, 199.238

32, 40.471, 27.902

61, 7.804, 198.740

29, 47.450, 30.836

65, 12.196,
198.385

28, 54.010, 34.218

69, 16.294,
198.103

27, 59.333, 37.215

73, 20.132,
197.873

26, 62.057, 38.500

77, 23.741,
197.685

81, 27.152,
197.528

Harmonies

Complementary

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



45, 13.413, 21.121



52, 11.513, 198.257

Rectangle

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



45, 13.413, 21.121



45, 13.413, 71.121



45, 13.413, 201.121



45, 13.413, 251.121

Sweetspot

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



45, 13.412, 21.127



66, 4.565, 19.731



46, 22.029, 325.687



34, 2.958, 19.765



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, 13.412, 21.127



55, 20.577, 21.739



49, 11.315, 72.570



25, 2.951, 19.880



25, 61.100, 38.348



0, 0.000, 0.000

Inverse Universe

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



52, 11.513, 198.257



66, 16.949, 197.997



47, 10.640, 258.808



26, 2.793, 199.022



48, 29.975, 196.396



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 13.413, 21.121 looks on a white background.

Color Contrast Check

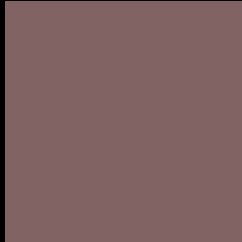
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.413, 21.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

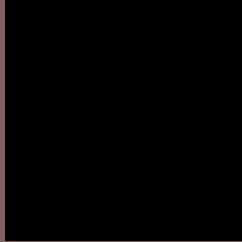
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 13.413, 21.121

Background



This preview shows how black text looks on a background with the CIELCh color 45, 13.413, 21.121.



This preview shows how white text looks on a background with the CIELCh color 45, 13.413, 21.121.

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, 13.413, 21.121

Protanopia

45, 2.166, 74.682

Deuteranopia

45, 7.909, 42.143



Tritanopia
45, 14.552, 4.891

Trichromacy



Original Color
45, 13.413, 21.121

Protanomaly
45, 5.950, 25.792

Deuteranomaly
45, 9.820, 34.408

Tritanomaly
45, 14.362, 9.492

Monochromacy



Original Color
45, 13.413, 21.121

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 4.600, 19.897

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 13.413, 21.121 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, 99, 99)` looks like.

```
.text, #text, p{  
    color:rgb(130, 99, 99)  
}
```

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, 99, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 99, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 13.413, 21.121 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, 99, 99) }
```

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

```
.border{ border-color:rgb(130, 99, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 99, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 99, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 99, 99);  
box-shadow:4px 4px 4px 4px rgb(130, 99,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 13.413, 21.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 99, 99) }
```

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

```
.background{ background-color: rgb(130, 99,  
99) }
```

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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