

Converting Colors

CIELCh(45, 9.721, 39.018)

Have a look what the booklet for
CIELCh(45, 9.721, 39.018) contains.

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Color

CIELCh(45, 9.594, 38.352)

Conversions

Conversions Part 1

Format	Color
Hex	7B6661
RGB	123, 102, 97
RGB Percent	48%, 40%, 38%
CMY	0.5181, 0.6005, 0.6201
CMYK	0.00, 0.17, 0.21, 0.52
HSL	12°, 12%, 43%
HSV	12°, 21%, 48%
XYZ	15.0422, 14.5417, 13.2941
YIQ	107.7090, 14.1210, 2.8970

Conversions

Conversions Part 2

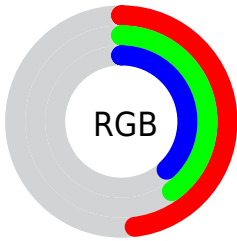
Format	Color
R_{YB}	123, 103, 97
Decimal	8087137
CIE Lab	45.00, 7.52, 5.95
CIE LCh	45, 9.594, 38.352
Yxy	14.5417, 0.3508, 0.3391
Android (android.graphics.Color)	4286277217 (0xFF7B6661)
YUV	107.7090, -5.2795, 13.4102
Hunter-Lab	38.1336, 3.6776, 6.0238

Details

The CIELCh color $45, 9.594, 38.352$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 8.387, 219.307$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 9.578, 36.883$, and $25, 9.686, 36.587$ is the 20% darker color. If you saturate the color by 10%, you get $42, 14.706, 38.458$, and if you desaturate by 10%, it is $48, 4.862, 38.366$.

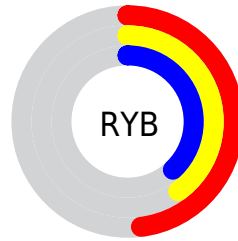
Distribution



Red (48%)

Green (40%)

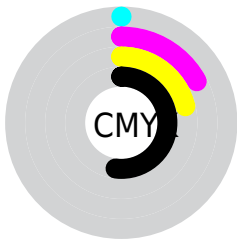
Blue (38%)



Red (48%)

Yellow (40%)

Blue (38%)

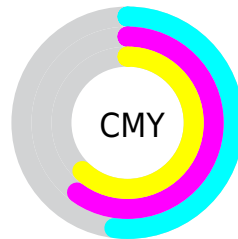


Cyan (0%)

Magenta (17%)

Yellow (21%)

Black (52%)



Cyan (52%)

Magenta (60%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.594, 38.352 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, 9.594, 38.352 by changing the saturation by 10% instead.

 45, 9.594, 38.352	 45, 9.594, 38.352
 100, 9.594, 38.352	 35, 9.594, 38.352
 65, 9.594, 38.352	 25, 9.594, 38.352
 75, 9.594, 38.352	 15, 9.594, 38.352
 85, 9.594, 38.352	 5, 9.594, 38.352
 95, 9.594, 38.352	 0, 9.594, 38.352

 45, 9.594, 38.352	 45, 9.594, 38.352
 42, 14.706, 38.458	 48, 4.862, 38.366
 39, 20.216, 38.704	 51, 0.483, 37.793
 36, 26.123, 39.140	 54, 3.575, 218.898

■ 34, 32.390, 39.794

■ 58, 7.346, 219.105

■ 31, 38.926, 40.670

■ 61, 10.863,
219.388

■ 29, 45.523, 41.695

■ 64, 14.155,
219.705

■ 28, 51.705, 42.582

■ 26, 56.204, 42.990

■ 67, 17.250,
220.043

■ 70, 20.170,
220.392

■ 74, 22.938,
220.746

Harmonies

Complementary

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



45, 9.594, 38.352



48, 8.387, 219.307

Rectangle

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



45, 9.594, 38.352



45, 9.594, 88.352



45, 9.594, 218.352



45, 9.594, 268.352

Sweetspot

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



45, 9.593, 38.362



64, 3.193, 38.358



44, 16.451, 331.202



33, 2.139, 38.362



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 9.593, 38.362



56, 14.371, 38.389



49, 10.991, 89.884



24, 2.427, 38.368



27, 57.024, 43.057



55, 99.403, 42.831

Inverse Universe

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



48, 8.387, 219.307



61, 12.172, 219.525



44, 10.987, 275.302



25, 2.299, 218.912



39, 25.759, 232.531



76, 43.524, 234.717

Previews

White Background



This preview shows how the CIELCh color 45, 9.594, 38.352 looks on a white background.

Color Contrast Check

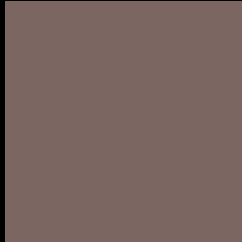
Large Text (above 18pt) WCAG AA ✓ Pass

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, 9.594, 38.352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

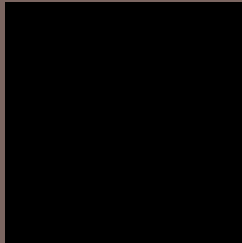
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 9.594, 38.352

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.594, 38.352.



This preview shows how white text looks on a background with the CIELCh color 45, 9.594, 38.352.

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, 9.594, 38.352

Protanopia

45, 4.482, 87.403

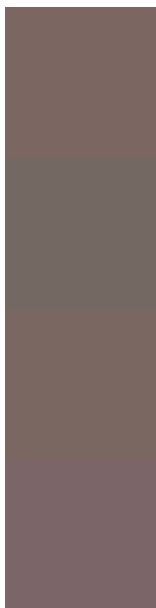
Deuteranopia

45, 8.579, 44.639



Tritanopia
45, 11.080, 355.519

Trichromacy



Original Color
45, 9.594, 38.352

Protanomaly
45, 5.964, 63.794

Deuteranomaly
45, 8.985, 43.509

Tritanomaly
45, 9.890, 10.338

Monochromacy



Original Color
45, 9.594, 38.352

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 3.148, 41.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.594, 38.352 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(123, 102, 97)` looks like.

```
.text, #text, p{  
    color:rgb(123, 102, 97)  
}
```

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(123, 102, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 102, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.594, 38.352 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(123, 102, 97) }
```

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

```
.border{ border-color:rgb(123, 102, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 102, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 102, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 102, 97);  
box-shadow:4px 4px 4px 4px rgb(123, 102,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.594, 38.352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 102, 97) }
```

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

```
.background{ background-color: rgb(123,  
102, 97) }
```

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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