

Converting Colors

CIELCh(50, 1.633, 61.860)

Have a look what the booklet for
CIELCh(50, 1.633, 61.860) contains.

CIELCh(50, 1.342, 45.007)	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(50, 1.342, 45.007)

Conversions

Conversions Part 1

Format	Color
Hex	797675
RGB	121, 118, 117
RGB Percent	47%, 46%, 46%
CMY	0.5242, 0.5359, 0.5398
CMYK	0.00, 0.02, 0.03, 0.52
HSL	15°, 2%, 47%
HSV	15°, 3%, 48%
XYZ	17.6821, 18.4187, 19.5572
YIQ	118.7830, 2.1090, 0.3250

Conversions

Conversions Part 2

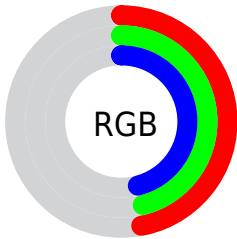
Format	Color
R _Y B	121, 118, 117
Decimal	7960181
CIE Lab	50.00, 0.95, 0.95
CIE LCh	50, 1.342, 45.007
Yxy	18.4187, 0.3177, 0.3309
Android (android.graphics.Color)	4286150261 (0xFF797675)
YUV	118.7830, -0.8790, 1.9443
Hunter-Lab	42.9170, -1.5613, 3.0235

Details

The CIELCh color $50, 1.342, 45.007$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 1.322, 225.908$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 1.252, 44.940$, and $30, 1.476, 45.030$ is the 20% darker color. If you saturate the color by 10%, you get $47, 5.622, 44.892$, and if you desaturate by 10%, it is $53, 2.636, 225.928$.

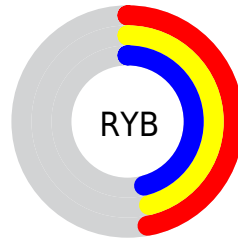
Distribution



Red (47%)

Green (46%)

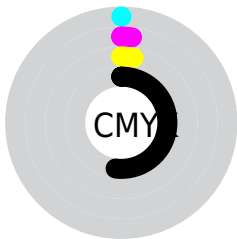
Blue (46%)



Red (47%)

Yellow (46%)

Blue (46%)

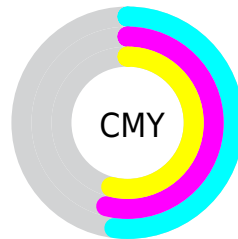


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (52%)



Cyan (52%)

Magenta (54%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 1.342, 45.007 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 50, 1.342, 45.007 by changing the saturation by 10% instead.

■ 50, 1.342, 45.007 ■ 50, 1.342, 45.007

■ 100, 1.342, 45.007 ■ 40, 1.342, 45.007

■ 70, 1.342, 45.007 ■ 30, 1.342, 45.007

■ 80, 1.342, 45.007 ■ 20, 1.342, 45.007

■ 90, 1.342, 45.007 ■ 10, 1.342, 45.007

■ 0, 1.342, 45.007

■ 50, 1.342, 45.007 ■ 50, 1.342, 45.007

■ 47, 5.622, 44.892 ■ 53, 2.636, 225.928

■ 44, 10.235, 44.609 ■ 56, 6.343, 226.331

■ 41, 15.211, 44.408 ■ 59, 9.810, 226.820

39, 20.566, 44.327

62, 13.066,
227.336

36, 26.301, 44.391

65, 16.135,
227.863

34, 32.383, 44.613

32, 38.712, 44.972

68, 19.041,
228.392

30, 45.061, 45.364

71, 21.803,
228.918

28, 50.880, 45.452

74, 24.439,
229.437

77, 26.963,
229.946

Harmonies

Complementary

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



50, 1.342, 45.007



50, 1.322, 225.908

Rectangle

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



50, 1.342, 45.007



50, 1.342, 95.007



50, 1.342, 225.007



50, 1.342, 275.007

Sweetspot

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



50, 1.342, 45.073



65, 0.499, 44.555



50, 2.399, 332.449



33, 0.282, 44.485



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



50, 1.342, 45.073



64, 2.027, 45.094



51, 1.785, 96.793



25, 1.159, 45.097



28, 55.711, 45.528



56, 96.911, 44.721

Inverse Universe

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



50, 1.322, 225.908



64, 1.986, 225.893



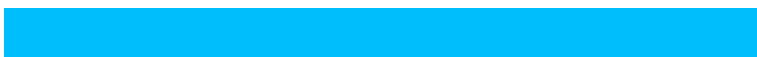
50, 1.800, 277.675



25, 1.133, 225.894



37, 26.754, 244.655



72, 45.683, 247.355

Previews

White Background



This preview shows how the CIELCh color 50, 1.342, 45.007 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 50, 1.342, 45.007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

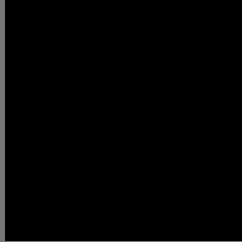
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

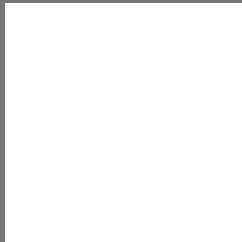
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 1.342, 45.007

Background



This preview shows how black text looks on a background with the CIELCh color 50, 1.342, 45.007.



This preview shows how white text looks on a background with the CIELCh color 50, 1.342, 45.007.

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


50, 1.342, 45.007

Protanopia

50, 1.342, 45.007

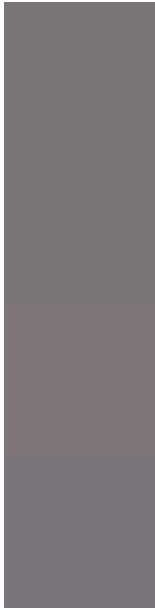
Deuteranopia

50, 6.791, 5.267



Tritanopia
50, 5.809, 314.931

Trichromacy



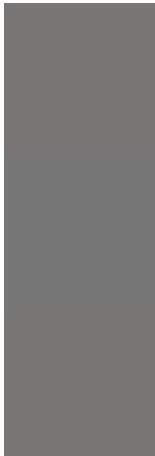
Original Color
50, 1.342, 45.007

Protanomaly
50, 1.342, 45.007

Deuteranomaly
50, 4.642, 5.331

Tritanomaly
50, 4.064, 319.972

Monochromacy



Original Color
50, 1.342, 45.007

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 0.701, 74.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 1.342, 45.007 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(121, 118, 117)` looks like.

```
.text, #text, p{  
    color:rgb(121, 118, 117)  
}
```

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(121, 118, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 118, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 1.342, 45.007 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(121, 118, 117) }
```

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

```
.border{ border-color:rgb(121, 118, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 118, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 118, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 118, 117);  
box-shadow:4px 4px 4px 4px rgb(121, 118,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 1.342, 45.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 118, 117) }
```

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

```
.background{ background-color: rgb(121,  
118, 117) }
```

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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