

Converting Colors

CIELCh(50, 38.157, 122.425)

Have a look what the booklet for
CIELCh(50, 38.157, 122.425)
contains.

CIELCh(50, 38.124, 122.467)	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, 38.124, 122.467)

Conversions

Conversions Part 1

Format	Color
Hex	667F3E
RGB	102, 127, 62
RGB Percent	40%, 50%, 24%
CMY	0.5992, 0.5011, 0.7561
CMYK	0.20, 0.00, 0.51, 0.50
HSL	83°, 34%, 37%
HSV	83°, 51%, 50%
XYZ	13.9935, 18.4187, 7.4026
YIQ	112.1150, 5.9650, -25.5150

Conversions

Conversions Part 2

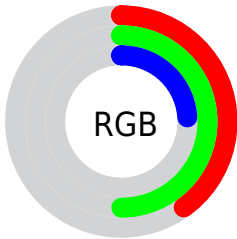
Format	Color
RYB	62, 127, 87
Decimal	6717246
CIELab	50.00, -20.47, 32.17
CIELCh	50, 38.124, 122.467
Yxy	18.4187, 0.3515, 0.4626
Android (android.graphics.Color)	4284907326 (0xFF667F3E)
YUV	112.1150, -24.7067, -8.8709
Hunter-Lab	42.9170, -16.9031, 19.8151

Details

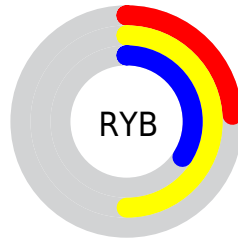
The CIELCh color **50, 38.124, 122.467** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **32, 41.878, 308.035**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 38.372, 122.683**, and **30, 38.089, 122.478** is the 20% darker color. If you saturate the color by 10%, you get **50, 44.820, 122.131**, and if you desaturate by 10%, it is **51, 31.001, 122.908**.

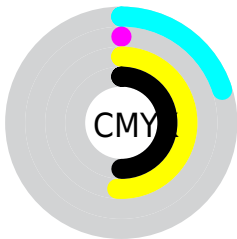
Distribution



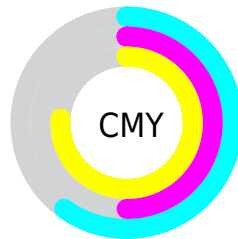
- Red (40%)
- Green (50%)
- Blue (24%)



- Red (24%)
- Yellow (50%)
- Blue (34%)



- Cyan (20%)
- Magenta (0%)
- Yellow (51%)
- Black (50%)





- Cyan (60%)
- Magenta (50%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 38.124, 122.467 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, 38.124, 122.467 by changing the saturation by 10% instead.

 50, 38.124,
122.467


 50, 38.124,
122.467

 100, 38.124,
122.467


 40, 38.124,
122.467


 70, 38.124,
122.467

 30, 38.124,
122.467

 80, 38.124,
122.467

 20, 38.124,
122.467

 90, 38.124,
122.467

 10, 38.124,
122.467

 0, 38.124, 122.467

 50, 38.124,
122.467

 50, 38.124,
122.467

■ 50, 44.820,
122.131

■ 51, 31.001,
122.908

■ 49, 50.854,
121.972

■ 51, 23.614,
123.399

■ 49, 55.934,
122.089

■ 52, 16.076,
123.906

■ 48, 59.757,
122.591

■ 52, 8.466, 124.411

■ 48, 62.468,
123.201

■ 53, 0.839, 124.954

■ 54, 6.767, 305.335

■ 55, 14.322,
305.766

■ 56, 21.807,
306.162

■ 57, 29.207,
306.526

Harmonies

Complementary

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



50, 38.124, 122.467



32, 41.878, 308.035

Rectangle

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



50, 38.124, 122.467



50, 38.124, 172.467



50, 38.124, 302.467



50, 38.124, 352.467

Sweetspot

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



50, 38.125, 122.469



67, 14.192, 124.198



41, 25.028, 57.424



35, 9.757, 124.108



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 38.125, 122.469



63, 55.391, 122.098



48, 43.938, 137.978



27, 4.302, 124.511



48, 62.573, 123.204



0, 0.000, 0.000

Inverse Universe

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



32, 41.878, 308.035



37, 62.427, 308.805



36, 44.272, 323.463



25, 4.370, 305.381



16, 76.177, 309.929



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 38.124, 122.467 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, 38.124, 122.467 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, 38.124, 122.467

Background



This preview shows how black text looks on a background with the CIELCh color 50, 38.124, 122.467.



This preview shows how white text looks on a background with the CIELCh color 50, 38.124, 122.467.

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

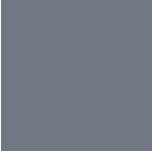
50, 38.124, 122.467

Protanopia

50, 34.497, 96.233

Deuteranopia

50, 31.416, 77.808



Tritanopia
50, 6.221, 257.266

Trichromacy



Original Color
50, 38.124, 122.467

Protanomaly
50, 34.918, 106.324

Deuteranomaly
50, 30.761, 96.527

Tritanomaly
50, 12.210, 139.119

Monochromacy



Original Color
50, 38.124, 122.467

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 14.662, 125.158

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 38.124, 122.467 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(102, 127, 62)` looks like.

```
.text, #text, p{  
    color:rgb(102, 127, 62)  
}
```

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(102, 127, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 127, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 38.124, 122.467 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(102, 127, 62) }
```

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

```
.border{ border-color:rgb(102, 127, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 127, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 127, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 127, 62);  
box-shadow:4px 4px 4px 4px rgb(102, 127,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 38.124, 122.467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 127, 62) }
```

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

```
.background{ background-color: rgb(102,  
127, 62) }
```

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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