

Converting Colors

CIELCh(50, 38.147, 127.726)

Have a look what the booklet for
CIELCh(50, 38.147, 127.726)
contains.

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Color

CIELCh(50, 37.673, 127.472)

Conversions

Conversions Part 1

Format	Color
Hex	608042
RGB	96, 128, 66
RGB Percent	38%, 50%, 26%
CMY	0.6223, 0.4968, 0.7401
CMYK	0.25, 0.00, 0.48, 0.50
HSL	91°, 32%, 38%
HSV	91°, 48%, 50%
XYZ	13.6069, 18.4187, 8.0364
YIQ	111.3640, 0.8300, -26.0660

Conversions

Conversions Part 2

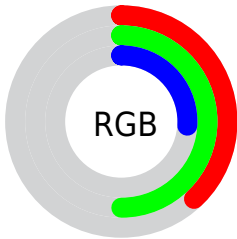
Format	Color
RYB	66, 128, 98
Decimal	6324290
CIELab	50.00, -22.92, 29.90
CIElCh	50, 37.673, 127.472
Yxy	18.4187, 0.3396, 0.4598
Android (android.graphics.Color)	4284514370 (0xFF608042)
YUV	111.3640, -22.3645, -13.4742
Hunter-Lab	42.9170, -18.5108, 18.9395

Details

The CIELCh color **50, 37.673, 127.472** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **34, 40.220, 311.923**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 37.815, 127.379**, and **30, 37.750, 127.755** is the 20% darker color. If you saturate the color by 10%, you get **49, 44.842, 127.108**, and if you desaturate by 10%, it is **51, 30.130, 127.912**.

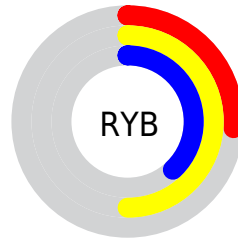
Distribution



Red (38%)

Green (50%)

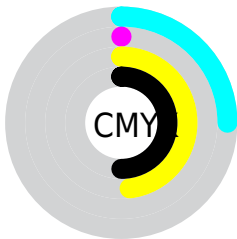
Blue (26%)



Red (26%)

Yellow (50%)

Blue (38%)

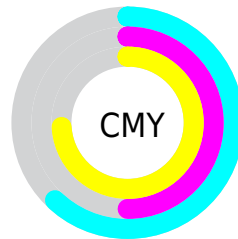


Cyan (25%)

Magenta (0%)

Yellow (48%)

Black (50%)



Cyan (62%)


Magenta (50%)


Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 37.673, 127.472 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, 37.673, 127.472 by changing the saturation by 10% instead.


 50, 37.673,
127.472


 50, 37.673,
127.472


 100, 37.673,
127.472


 40, 37.673,
127.472


 70, 37.673,
127.472

 30, 37.673,
127.472


 80, 37.673,
127.472

 20, 37.673,
127.472

 90, 37.673,
127.472

 10, 37.673,
127.472

 0, 37.673, 127.472

 50, 37.673,
127.472

 50, 37.673,
127.472

■ 49, 44.842,
127.108

■ 51, 30.130,
127.912

■ 49, 51.417,
126.887

■ 51, 22.366,
128.378

■ 48, 57.115,
126.910

■ 52, 14.490,
128.843

■ 48, 61.620,
127.290

■ 53, 6.578, 129.293

■ 48, 65.008,
127.970

■ 54, 1.315, 309.626

■ 48, 65.565,
128.061

■ 55, 9.149, 310.065

■ 56, 16.897,
310.416

■ 57, 24.539,
310.730

■ 58, 32.060,
311.012

Harmonies

Complementary

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



50, 37.673, 127.472



34, 40.220, 311.923

Rectangle

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



50, 37.673, 127.472



50, 37.673, 177.472



50, 37.673, 307.472



50, 37.673, 357.472

Sweetspot

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



50, 37.674, 127.473



66, 14.608, 128.979



44, 23.983, 69.607



35, 10.046, 128.899



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, 37.674, 127.473



63, 54.867, 127.078



48, 43.459, 140.736



26, 4.424, 129.259



47, 65.260, 128.051



0, 0.000, 0.000

Inverse Universe

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



34, 40.220, 311.923



40, 59.547, 312.430



38, 43.286, 326.880



25, 4.479, 309.999



19, 74.148, 312.624



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 37.673, 127.472 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 CIELCh color 50, 37.673, 127.472 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, 37.673, 127.472

Background



This preview shows how black text looks on a background with the CIELCh color 50, 37.673, 127.472.



This preview shows how white text looks on a background with the CIELCh color 50, 37.673, 127.472.

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, 37.673, 127.472

Protanopia
50, 32.408, 95.965

Deuteranopia
50, 29.157, 76.973



Tritanopia
50, 8.005, 246.172

Trichromacy



Original Color
50, 37.673, 127.472

Protanomaly
50, 32.876, 109.034

Deuteranomaly
50, 28.881, 99.015

Tritanomaly
50, 13.403, 150.324

Monochromacy



Original Color
50, 37.673, 127.472

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 14.398, 128.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 37.673, 127.472 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(96, 128, 66)` looks like.

```
.text, #text, p{  
    color:rgb(96, 128, 66)  
}
```

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(96, 128, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 128, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 37.673, 127.472 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(96, 128, 66) }
```

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

```
.border{ border-color:rgb(96, 128, 66) }
```

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

Here you see how a box with a 4 pixel rgb(96, 128, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 128, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 128, 66);  
box-shadow:4px 4px 4px 4px rgb(96, 128,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 37.673, 127.472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 128, 66) }
```

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

```
.background{ background-color: rgb(96, 128,  
66) }
```

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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