

Converting Colors

CIELCh(50, 38.906, 147.164)

Have a look what the booklet for
CIELCh(50, 38.906, 147.164)
contains.

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Color

CIELCh(50, 38.515, 147.394)

Conversions

Conversions Part 1

Format	Color
Hex	438452
RGB	67, 132, 82
RGB Percent	26%, 52%, 32%
CMY	0.7359, 0.4810, 0.6771
CMYK	0.49, 0.00, 0.38, 0.48
HSL	134°, 33%, 39%
HSV	134°, 49%, 52%
XYZ	12.1738, 18.4187, 10.9614
YIQ	106.8650, -22.6900, -29.3300

Conversions

Conversions Part 2

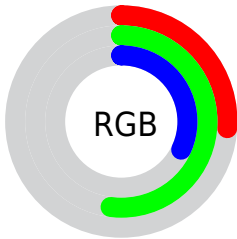
Format	Color
RYB	67, 120, 132
Decimal	4424786
CIELab	50.00, -32.44, 20.75
CIElCh	50, 38.515, 147.394
Yxy	18.4187, 0.2930, 0.4432
Android (android.graphics.Color)	4282614866 (0xFF438452)
YUV	106.8650, -12.2584, -34.9616
Hunter-Lab	42.9170, -24.4715, 14.8987

Details

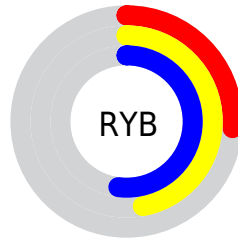
The CIELCh color **50, 38.515, 147.394** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **38, 38.583, 334.896**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 38.746, 147.485**, and **30, 38.769, 147.187** is the 20% darker color. If you saturate the color by 10%, you get **49, 45.630, 146.126**, and if you desaturate by 10%, it is **51, 30.975, 148.506**.

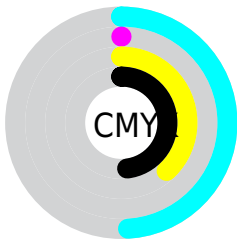
Distribution



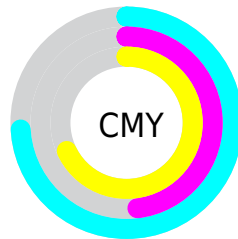
- Red (26%)
- Green (52%)
- Blue (32%)



- Red (26%)
- Yellow (47%)
- Blue (52%)



- Cyan (49%)
- Magenta (0%)
- Yellow (38%)
- Black (48%)





- Cyan (74%)
- Magenta (48%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 38.515, 147.394 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, 38.515, 147.394 by changing the saturation by 10% instead.


 50, 38.515,
147.394


 50, 38.515,
147.394


 100, 38.515,
147.394


 40, 38.515,
147.394


 70, 38.515,
147.394


 30, 38.515,
147.394


 80, 38.515,
147.394


 20, 38.515,
147.394

 90, 38.515,
147.394

 10, 38.515,
147.394

 0, 38.515, 147.394

 50, 38.515,
147.394

 50, 38.515,
147.394

■ 49, 45.630,
146.126

■ 51, 30.975,
148.506

■ 49, 52.159,
144.701

■ 52, 23.159,
149.475

■ 48, 57.954,
143.134

■ 53, 15.202,
150.318

■ 48, 62.883,
141.469

■ 54, 7.217, 151.063

■ 48, 66.954,
139.890

■ 55, 0.705, 331.332

■ 57, 8.500, 332.192

■ 48, 67.286,
139.772

■ 58, 16.118,
332.693

■ 60, 23.530,
333.130

■ 62, 30.718,
333.518

Harmonies

Complementary

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



50, 38.515, 147.394



38, 38.583, 334.896

Rectangle

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



50, 38.515, 147.394



50, 38.515, 197.394



50, 38.515, 327.394



50, 38.515, 17.394

Sweetspot

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



50, 38.516, 147.394



68, 14.683, 150.609



53, 36.737, 115.553



35, 10.102, 150.472



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



50, 38.516, 147.394



63, 55.977, 145.965



51, 25.800, 172.103



27, 4.474, 151.062



47, 66.385, 139.805



1, 1.068, 151.616

Inverse Universe

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



38, 38.583, 334.896



46, 55.541, 335.762



37, 30.029, 3.375



26, 4.490, 332.140



29, 59.014, 339.635



0, 1.068, 331.609

Previews

White Background



This preview shows how the CIELCh color 50, 38.515, 147.394 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, 38.515, 147.394 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, 38.515, 147.394

Background



This preview shows how black text looks on a background with the CIELCh color 50, 38.515, 147.394.



This preview shows how white text looks on a background with the CIELCh color 50, 38.515, 147.394.

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, 38.515, 147.394

Protanopia

50, 24.222, 95.078

Deuteranopia

50, 19.648, 69.876



Tritanopia
50, 16.589, 218.754

Trichromacy



Original Color
50, 38.515, 147.394

Protanomaly
49, 26.231, 122.357

Deuteranomaly
49, 20.413, 114.886

Tritanomaly
50, 20.725, 177.328

Monochromacy



Original Color
50, 38.515, 147.394

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 14.291, 149.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 38.515, 147.394 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(67, 132, 82)` looks like.

```
.text, #text, p{  
    color:rgb(67, 132, 82)  
}
```

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(67, 132, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 132, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 38.515, 147.394 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(67, 132, 82) }
```

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

```
.border{ border-color:rgb(67, 132, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 132, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 132, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 132, 82);  
box-shadow:4px 4px 4px 4px rgb(67, 132,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 38.515, 147.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 132, 82) }
```

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

```
.background{ background-color: rgb(67, 132,  
82) }
```

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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