

Converting Colors

CIELCh(50, 48.258, 138.151)

Have a look what the booklet for
CIELCh(50, 48.258, 138.151)
contains.

CIELCh(50, 48.294, 138.143)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(50, 48.294, 138.143)

Conversions

Conversions Part 1

Format	Color
Hex	44853D
RGB	68, 133, 61
RGB Percent	27%, 52%, 24%
CMY	0.7324, 0.4775, 0.7599
CMYK	0.49, 0.00, 0.54, 0.48
HSL	114°, 37%, 38%
HSV	114°, 54%, 52%
XYZ	11.6701, 18.4187, 7.3863
YIQ	105.3570, -15.6280, -36.1720

Conversions

Conversions Part 2

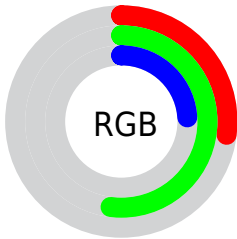
Format	Color
RYB	61, 133, 126
Decimal	4490557
CIELab	50.00, -35.97, 32.23
CIELCh	50, 48.294, 138.143
Yxy	18.4187, 0.3114, 0.4915
Android (android.graphics.Color)	4282680637 (0xFF44853D)
YUV	105.3570, -21.8680, -32.7621
Hunter-Lab	42.9170, -26.5664, 19.8377

Details

The CIELCh color **50, 48.294, 138.143** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **37, 48.511, 324.159**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 48.563, 138.003**, and **30, 48.462, 138.068** is the 20% darker color. If you saturate the color by 10%, you get **49, 56.003, 137.300**, and if you desaturate by 10%, it is **51, 39.888, 138.978**.

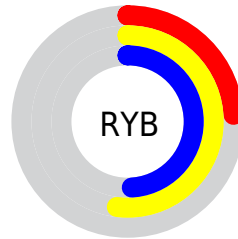
Distribution



Red (27%)

Green (52%)

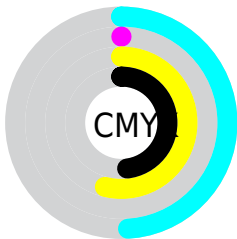
Blue (24%)



Red (24%)

Yellow (52%)

Blue (49%)

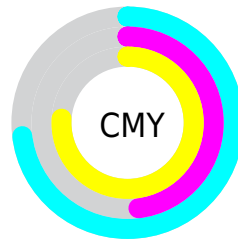


Cyan (49%)

Magenta (0%)

Yellow (54%)

Black (48%)



Cyan (73%)


Magenta (48%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 48.294, 138.143 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, 48.294, 138.143 by changing the saturation by 10% instead.


 50, 48.294,
138.143


 50, 48.294,
138.143

 100, 48.294,
138.143


 40, 48.294,
138.143


 70, 48.294,
138.143

 30, 48.294,
138.143

 80, 48.294,
138.143

 20, 48.294,
138.143

 90, 48.294,
138.143

 10, 48.294,
138.143

 0, 48.294, 138.143

 50, 48.294,
138.143

 50, 48.294,
138.143

■ 49, 56.003,
137.300

■ 51, 39.888,
138.978

■ 49, 62.692,
136.527

■ 52, 31.041,
139.755

■ 49, 68.000,
135.941

■ 53, 21.958,
140.454

■ 48, 71.632,
135.645

■ 54, 12.794,
141.073

■ 48, 73.352,
135.406

■ 55, 3.663, 141.638

■ 56, 5.349, 322.015

■ 58, 14.184,
322.425

■ 60, 22.805,
322.763

■ 61, 31.189,
323.049

Harmonies

Complementary

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



50, 48.294, 138.143



37, 48.511, 324.159

Rectangle

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



50, 48.294, 138.143



50, 48.294, 188.143



50, 48.294, 318.143



50, 48.294, 8.143

Sweetspot

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



50, 48.295, 138.144



68, 18.082, 140.937



52, 36.426, 100.250



35, 12.163, 140.833



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, 48.295, 138.144



63, 70.005, 137.103



50, 36.987, 153.326



27, 5.100, 141.352



47, 72.061, 135.391



1, 1.217, 141.786

Inverse Universe

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



37, 48.511, 324.159



44, 69.979, 324.509



37, 37.925, 343.491



26, 5.117, 322.191



28, 70.561, 324.557



0, 1.218, 321.781

Previews

White Background



This preview shows how the CIELCh color 50, 48.294, 138.143 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, 48.294, 138.143 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, 48.294, 138.143

Background



This preview shows how black text looks on a background with the CIELCh color 50, 48.294, 138.143.



This preview shows how white text looks on a background with the CIELCh color 50, 48.294, 138.143.

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, 48.294, 138.143

Protanopia

50, 35.647, 95.548

Deuteranopia

50, 30.666, 78.180



Tritanopia
50, 15.501, 220.410

Trichromacy



Original Color
50, 48.294, 138.143

Protanomaly
49, 37.674, 116.483

Deuteranomaly
49, 31.349, 109.341

Tritanomaly
50, 22.437, 165.602

Monochromacy



Original Color
50, 48.294, 138.143

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 18.381, 141.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 48.294, 138.143 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(68, 133, 61)` looks like.

```
.text, #text, p{  
    color:rgb(68, 133, 61)  
}
```

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(68, 133, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 133, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 48.294, 138.143 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(68, 133, 61) }
```

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

```
.border{ border-color:rgb(68, 133, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 133, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 133, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 133, 61);  
box-shadow:4px 4px 4px 4px rgb(68, 133,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 48.294, 138.143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 133, 61) }
```

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

```
.background{ background-color: rgb(68, 133,  
61) }
```

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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