

Converting Colors

CIELCh(49, 50.357, 138.183)

Have a look what the booklet for
CIELCh(49, 50.357, 138.183)
contains.

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Color

CIELCh(49, 50.399, 138.242)

Conversions

Conversions Part 1

Format	Color
Hex	3E8338
RGB	62, 131, 56
RGB Percent	24%, 51%, 22%
CMY	0.7562, 0.4856, 0.7798
CMYK	0.53, 0.00, 0.57, 0.49
HSL	115°, 40%, 37%
HSV	115°, 57%, 51%
XYZ	10.8536, 17.5941, 6.5848
YIQ	101.8190, -17.0490, -37.9530

Conversions

Conversions Part 2

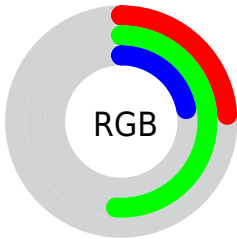
Format	Color
RYB	56, 131, 125
Decimal	4096824
CIELab	49.00, -37.60, 33.57
CIELCh	49, 50.399, 138.242
Yxy	17.5941, 0.3098, 0.5022
Android (android.graphics.Color)	4282286904 (0xFF3E8338)
YUV	101.8190, -22.5888, -34.9213
Hunter-Lab	41.9453, -27.2161, 20.0540

Details

The CIELCh color $49, 50.399, 138.242$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $36, 50.464, 324.791$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 50.740, 138.289$, and $29, 50.231, 137.523$ is the 20% darker color. If you saturate the color by 10%, you get $48, 57.742, 137.367$, and if you desaturate by 10%, it is $50, 42.260, 139.121$.

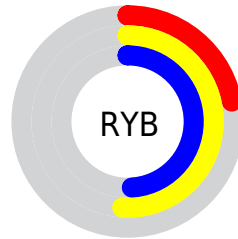
Distribution



Red (24%)

Green (51%)

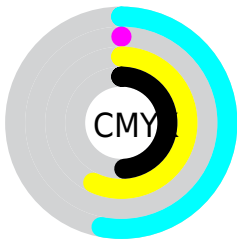
Blue (22%)



Red (22%)

Yellow (51%)

Blue (49%)

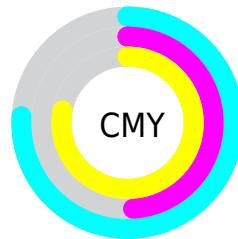


Cyan (53%)

Magenta (0%)

Yellow (57%)

Black (49%)



Cyan (76%)

Magenta (49%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 50.399, 138.242 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 49, 50.399, 138.242 by changing the saturation by 10% instead.


 49, 50.399,
138.242


 49, 50.399,
138.242


 100, 50.399,
138.242


 39, 50.399,
138.242

 69, 50.399,
138.242

 29, 50.399,
138.242

 79, 50.399,
138.242

 19, 50.399,
138.242

 89, 50.399,
138.242

 9, 50.399, 138.242

 99, 50.399,
138.242

 0, 50.399, 138.242

 49, 50.399,

 49, 50.399,

138.242

■ 48, 57.742,
137.367

■ 48, 63.953,
136.587

■ 48, 68.679,
136.021

■ 47, 71.841,
135.673

■ 47, 72.630,
135.515

138.242

■ 50, 42.260,
139.121

■ 51, 33.601,
139.946

■ 52, 24.642,
140.692

■ 53, 15.556,
141.351

■ 54, 6.471, 141.935

■ 55, 2.519, 322.327

■ 57, 11.346,
322.799

■ 58, 19.966,
323.162

■ 60, 28.353,
323.468

Harmonies

Complementary

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



49, 50.399, 138.242



36, 50.464, 324.791

Rectangle

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



49, 50.399, 138.242



49, 50.399, 188.242



49, 50.399, 318.242



49, 50.399, 8.242

Sweetspot

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



49, 50.400, 138.243



67, 19.095, 141.339



52, 38.405, 100.859



35, 12.879, 141.234



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 50.400, 138.243



62, 72.787, 137.086



49, 37.884, 153.640



27, 5.128, 141.825



47, 72.177, 135.510



1, 1.224, 142.268

Inverse Universe

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



36, 50.464, 324.791



43, 72.389, 325.140



35, 38.957, 344.806



26, 5.143, 322.682



28, 70.457, 325.195



0, 1.224, 322.264

Previews

White Background



This preview shows how the CIELCh color 49, 50.399, 138.242 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 49, 50.399, 138.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

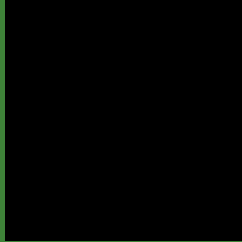
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 50.399, 138.242

Background



This preview shows how black text looks on a background with the CIELCh color 49, 50.399, 138.242.



This preview shows how white text looks on a background with the CIELCh color 49, 50.399, 138.242.

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


49, 50.399, 138.242

Protanopia

49, 37.221, 95.617

Deuteranopia

49, 32.068, 78.019



Tritanopia
49, 16.326, 219.206

Trichromacy



Original Color
49, 50.399, 138.242

Protanomaly
48, 39.306, 116.507

Deuteranomaly
48, 33.036, 109.721

Tritanomaly
49, 23.929, 165.833

Monochromacy



Original Color
49, 50.399, 138.242

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 19.700, 140.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 50.399, 138.242 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(62, 131, 56)` looks like.

```
.text, #text, p{  
    color:rgb(62, 131, 56)  
}
```

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(62, 131, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 131, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 50.399, 138.242 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(62, 131, 56) }
```

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

```
.border{ border-color:rgb(62, 131, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 131, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 131, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 131, 56);  
box-shadow:4px 4px 4px 4px rgb(62, 131,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 50.399, 138.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 131, 56) }
```

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

```
.background{ background-color: rgb(62, 131,  
56) }
```

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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