

Converting Colors

CIELCh(50, 49.087, 134.633)

Have a look what the booklet for
CIELCh(50, 49.087, 134.633)
contains.

CIELCh(50, 49.329, 134.661)	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, 49.329, 134.661)

Conversions

Conversions Part 1

Format	Color
Hex	4A8538
RGB	74, 133, 56
RGB Percent	29%, 52%, 22%
CMY	0.7110, 0.4796, 0.7815
CMYK	0.44, 0.00, 0.58, 0.48
HSL	106°, 41%, 37%
HSV	106°, 58%, 52%
XYZ	11.8536, 18.4187, 6.6359
YIQ	106.5810, -10.4470, -36.4550

Conversions

Conversions Part 2

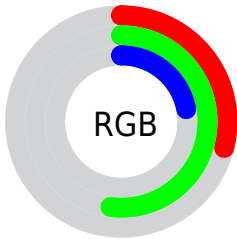
Format	Color
RYB	56, 133, 115
Decimal	4883768
CIELab	50.00, -34.67, 35.09
CIELCh	50, 49.329, 134.661
Yxy	18.4187, 0.3212, 0.4990
Android (android.graphics.Color)	4283073848 (0xFF4A8538)
YUV	106.5810, -24.9364, -28.5735
Hunter-Lab	42.9170, -25.8030, 20.8743

Details

The CIELCh color **50, 49.329, 134.661** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **34, 50.623, 320.063**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 49.651, 134.466**, and **30, 49.593, 134.497** is the 20% darker color. If you saturate the color by 10%, you get **49, 56.560, 134.140**, and if you desaturate by 10%, it is **51, 41.403, 135.260**.

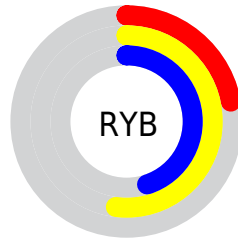
Distribution



Red (29%)

Green (52%)

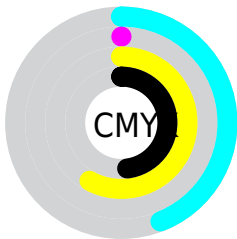
Blue (22%)



Red (22%)

Yellow (52%)

Blue (45%)

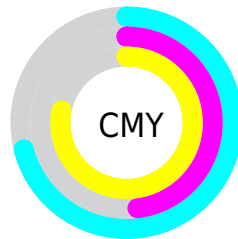


Cyan (44%)

Magenta (0%)

Yellow (58%)

Black (48%)



Cyan (71%)


Magenta (48%)


Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 49.329, 134.661 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, 49.329, 134.661 by changing the saturation by 10% instead.


 50, 49.329,
134.661


 50, 49.329,
134.661


 100, 49.329,
134.661


 40, 49.329,
134.661


 70, 49.329,
134.661

 30, 49.329,
134.661


 80, 49.329,
134.661


 20, 49.329,
134.661

 90, 49.329,
134.661

 10, 49.329,
134.661

 0, 49.329, 134.661

 50, 49.329,
134.661

 50, 49.329,
134.661

■ 49, 56.560,
134.140

■ 51, 41.403,
135.260

■ 49, 62.772,
133.791

■ 51, 33.034,
135.870

■ 49, 67.616,
133.733

■ 52, 24.413,
136.452

■ 48, 71.078,
133.921

■ 53, 15.682,
136.989

■ 48, 71.726,
133.920

■ 54, 6.944, 137.479

■ 56, 1.724, 317.794

■ 57, 10.270,
318.234

■ 58, 18.657,
318.560

■ 60, 26.859,
318.837

Harmonies

Complementary

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



50, 49.329, 134.661



34, 50.623, 320.063

Rectangle

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



50, 49.329, 134.661



50, 49.329, 184.661



50, 49.329, 314.661



50, 49.329, 4.661

Sweetspot

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



50, 49.330, 134.662



68, 18.416, 137.021



48, 34.360, 90.177



35, 12.271, 136.936



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, 49.330, 134.662



63, 71.680, 133.988



50, 44.302, 146.943



27, 4.890, 137.426



47, 70.668, 133.897



1, 1.169, 137.801

Inverse Universe

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



34, 50.623, 320.063



40, 73.547, 320.299



36, 44.153, 336.445



26, 4.920, 318.160



25, 71.752, 319.777



0, 1.169, 317.798

Previews

White Background



This preview shows how the CIELCh color 50, 49.329, 134.661 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 49.329, 134.661 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, 49.329, 134.661

Background



This preview shows how black text looks on a background with the CIELCh color 50, 49.329, 134.661.



This preview shows how white text looks on a background with the CIELCh color 50, 49.329, 134.661.

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, 49.329, 134.661

Protanopia

50, 38.619, 95.894

Deuteranopia

50, 33.912, 79.482



Tritanopia
50, 14.102, 222.885

Trichromacy



Original Color
50, 49.329, 134.661

Protanomaly
50, 39.882, 113.647

Deuteranomaly
49, 34.461, 106.342

Tritanomaly
50, 21.796, 161.022

Monochromacy



Original Color
50, 49.329, 134.661

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 18.954, 137.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 49.329, 134.661 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(74, 133, 56)` looks like.

```
.text, #text, p{  
    color:rgb(74, 133, 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(74, 133, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 133, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 49.329, 134.661 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(74, 133, 56) }
```

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

```
.border{ border-color:rgb(74, 133, 56) }
```

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

Here you see how a box with a 4 pixel rgb(74, 133, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 133, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 133, 56);  
box-shadow:4px 4px 4px 4px rgb(74, 133,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 49.329, 134.661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 133, 56) }
```

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

```
.background{ background-color: rgb(74, 133,  
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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