

Converting Colors

CIELCh(49, 49.332, 130.359)

Have a look what the booklet for
CIELCh(49, 49.332, 130.359)
contains.

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Color

CIELCh(49, 49.495, 130.287)

Conversions

Conversions Part 1

Format	Color
Hex	4F8130
RGB	79, 129, 48
RGB Percent	31%, 51%, 19%
CMY	0.6900, 0.4939, 0.8115
CMYK	0.39, 0.00, 0.63, 0.49
HSL	97°, 46%, 35%
HSV	97°, 63%, 51%
XYZ	11.6216, 17.5941, 5.5856
YIQ	104.8160, -3.7990, -35.7910

Conversions

Conversions Part 2

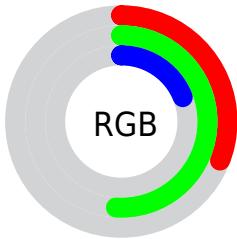
Format	Color
RYB	48, 129, 98
Decimal	5210416
CIELab	49.00, -32.00, 37.76
CIElCh	49, 49.495, 130.287
Yxy	17.5941, 0.3339, 0.5056
Android (android.graphics.Color)	4283400496 (0xFF4F8130)
YUV	104.8160, -28.0103, -22.6406
Hunter-Lab	41.9453, -23.9479, 21.4664

Details

The CIELCh color $49, 49.495, 130.287$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $30, 52.609, 315.586$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 49.602, 130.318$, and $29, 48.269, 131.292$ is the 20% darker color. If you saturate the color by 10%, you get $48, 55.950, 130.077$, and if you desaturate by 10%, it is $50, 42.305, 130.664$.

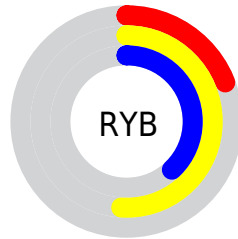
Distribution



Red (31%)

Green (51%)

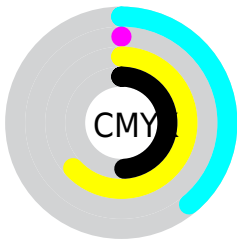
Blue (19%)



Red (19%)

Yellow (51%)

Blue (38%)

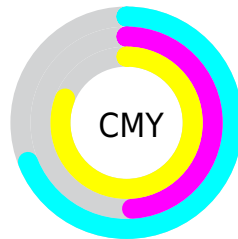


Cyan (39%)

Magenta (0%)

Yellow (63%)

Black (49%)



Cyan (69%)

Magenta (49%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 49.495, 130.287 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, 49.495, 130.287 by changing the saturation by 10% instead.

 49, 49.495,
130.287

 49, 49.495,
130.287

 100, 49.495,
130.287

 39, 49.495,
130.287

 69, 49.495,
130.287

 29, 49.495,
130.287

 79, 49.495,
130.287

 19, 49.495,
130.287

 89, 49.495,
130.287

 9, 49.495, 130.287

 99, 49.495,
130.287

 0, 49.495, 130.287

 49, 49.495,

 49, 49.495,

130.287

■ 48, 55.950,
130.077

■ 48, 61.350,
130.141

■ 48, 65.392,
130.591

■ 47, 67.853,
130.943

130.287

■ 50, 42.305,
130.664

■ 50, 34.634,
131.123

■ 51, 26.674,
131.608

■ 52, 18.561,
132.088

■ 53, 10.392,
132.544

■ 54, 2.238, 133.000

■ 55, 5.852, 313.307

■ 56, 13.841,
313.655

■ 57, 21.704,
313.956

Harmonies

Complementary

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



49, 49.495, 130.287



30, 52.609, 315.586

Rectangle

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



49, 49.495, 130.287



49, 49.495, 180.287



49, 49.495, 310.287



49, 49.495, 0.287

Sweetspot

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



49, 49.496, 130.288



67, 19.243, 132.242



44, 33.424, 78.663



34, 13.184, 132.130



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 49.496, 130.288



62, 70.712, 130.063



48, 51.079, 142.171



26, 4.537, 132.706



47, 67.247, 130.925



0, 0.000, 0.000

Inverse Universe

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



30, 52.609, 315.586



35, 75.886, 315.795



34, 50.293, 331.346



25, 4.582, 313.405



21, 72.629, 315.223



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 49.495, 130.287 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 49, 49.495, 130.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

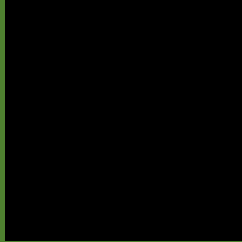
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 49.495, 130.287

Background



This preview shows how black text looks on a background with the CIELCh color 49, 49.495, 130.287.



This preview shows how white text looks on a background with the CIELCh color 49, 49.495, 130.287.

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, 49.495, 130.287

Protanopia

49, 40.604, 95.888

Deuteranopia

49, 36.267, 79.759



Tritanopia
49, 11.847, 228.364

Trichromacy



Original Color
49, 49.495, 130.287

Protanomaly
49, 42.113, 110.987

Deuteranomaly
48, 36.629, 102.990

Tritanomaly
49, 20.094, 155.219

Monochromacy



Original Color
49, 49.495, 130.287

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 19.283, 131.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 49.495, 130.287 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(79, 129, 48)` looks like.

```
.text, #text, p{  
    color:rgb(79, 129, 48)  
}
```

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(79, 129, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 129, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 49.495, 130.287 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(79, 129, 48) }
```

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

```
.border{ border-color:rgb(79, 129, 48) }
```

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

Here you see how a box with a 4 pixel rgb(79, 129, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 129, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 129, 48);  
box-shadow:4px 4px 4px 4px rgb(79, 129,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 49.495, 130.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 129, 48) }
```

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

```
.background{ background-color: rgb(79, 129,  
48) }
```

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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