

Converting Colors

CIELCh(48, 50.582, 130.245)

Have a look what the booklet for
CIELCh(48, 50.582, 130.245)
contains.

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Color

CIELCh(48, 50.728, 130.494)

Conversions

Conversions Part 1

Format	Color
Hex	4B7F2C
RGB	75, 127, 44
RGB Percent	29%, 50%, 17%
CMY	0.7067, 0.5027, 0.8282
CMYK	0.41, 0.00, 0.65, 0.50
HSL	98°, 49%, 33%
HSV	98°, 65%, 50%
XYZ	10.8999, 16.7945, 5.0310
YIQ	101.9900, -4.3490, -36.8370

Conversions

Conversions Part 2

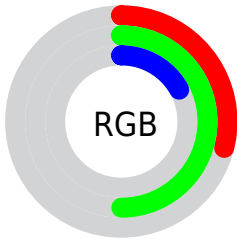
Format	Color
R_{YB}	44, 127, 96
Decimal	4947756
CIE _{Lab}	48.00, -32.94, 38.58
CIE _{LCh}	48, 50.728, 130.494
Yxy	16.7945, 0.3331, 0.5132
Android (android.graphics.Color)	4283137836 (0xFF4B7F2C)
YUV	101.9900, -28.5891, -23.6702
Hunter-Lab	40.9810, -24.2404, 21.4081

Details

The CIELCh color **48, 50.728, 130.494** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **29, 53.897, 315.930**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 50.751, 130.171**, and **28, 48.036, 132.421** is the 20% darker color. If you saturate the color by 10%, you get **48, 56.870, 130.331**, and if you desaturate by 10%, it is **49, 43.783, 130.847**.

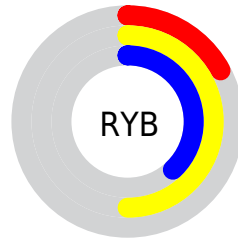
Distribution



Red (29%)

Green (50%)

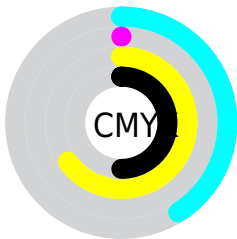
Blue (17%)



Red (17%)

Yellow (50%)

Blue (38%)

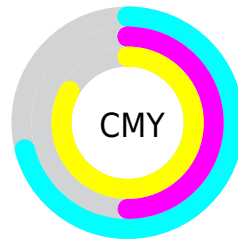


Cyan (41%)

Magenta (0%)

Yellow (65%)

Black (50%)



Cyan (71%)

Magenta (50%)

Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 50.728, 130.494 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 48, 50.728, 130.494 by changing the saturation by 10% instead.

 48, 50.728,
130.494

 48, 50.728,
130.494

 100, 50.728,
130.494

 38, 50.728,
130.494

 68, 50.728,
130.494

 28, 50.728,
130.494

 78, 50.728,
130.494

 18, 50.728,
130.494

 88, 50.728,
130.494

 8, 50.728, 130.494

 98, 50.728,
130.494

 0, 50.728, 130.494

 48, 50.728,

 48, 50.728,

130.494

130.494

■ 48, 56.870,
130.331

■ 49, 43.783,
130.847

■ 47, 61.889,
130.470

■ 49, 36.304,
131.297

■ 47, 65.593,
130.966

■ 50, 28.495,
131.783

■ 47, 67.145,
131.145

■ 51, 20.505,
132.269

■ 52, 12.438,
132.733

■ 53, 4.371, 133.176

■ 54, 3.643, 313.505

■ 55, 11.564,
313.872

■ 56, 19.364,
314.183

Harmonies

Complementary

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



48, 50.728, 130.494



29, 53.897, 315.930

Rectangle

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



48, 50.728, 130.494



48, 50.728, 180.494



48, 50.728, 310.494



48, 50.728, 0.494

Sweetspot

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



48, 50.729, 130.495



66, 20.058, 132.503



43, 34.374, 78.283



34, 13.793, 132.392



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 50.729, 130.495



61, 72.654, 130.362



47, 52.166, 141.839



26, 4.549, 133.014



47, 67.419, 131.153



0, 0.000, 0.000

Inverse Universe

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



29, 53.897, 315.930



33, 77.852, 316.050



33, 51.204, 331.486



25, 4.592, 313.712



21, 72.496, 315.485



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 50.728, 130.494 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 48, 50.728, 130.494 looks on a black 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

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

CIELCh 48, 50.728, 130.494

Background



This preview shows how black text looks on a background with the CIELCh color 48, 50.728, 130.494.



This preview shows how white text looks on a background with the CIELCh color 48, 50.728, 130.494.

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

48, 50.728, 130.494

Protanopia

48, 41.554, 95.840

Deuteranopia

48, 37.332, 80.140



Tritanopia
48, 12.232, 224.221

Trichromacy



Original Color
48, 50.728, 130.494

Protanomaly
48, 43.100, 111.312

Deuteranomaly
47, 37.658, 103.554

Tritanomaly
48, 21.546, 154.184

Monochromacy



Original Color
48, 50.728, 130.494

Achromatopsia
43, 0.006, 296.813

Achromatomaly
45, 19.556, 132.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 50.728, 130.494 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(75, 127, 44)` looks like.

```
.text, #text, p{  
    color:rgb(75, 127, 44)  
}
```

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(75, 127, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 127, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 50.728, 130.494 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(75, 127, 44) }
```

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

```
.border{ border-color:rgb(75, 127, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 127, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 127, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 127, 44);  
box-shadow:4px 4px 4px 4px rgb(75, 127,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 50.728, 130.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 127, 44) }
```

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

```
.background{ background-color: rgb(75, 127,  
44) }
```

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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