

Converting Colors

CIELCh(48, 46.511, 129.950)

Have a look what the booklet for
CIELCh(48, 46.511, 129.950)
contains.

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Color

CIELCh(48, 46.710, 130.000)

Conversions

Conversions Part 1

Format	Color
Hex	507E32
RGB	80, 126, 50
RGB Percent	31%, 49%, 20%
CMY	0.6871, 0.5067, 0.8047
CMYK	0.37, 0.00, 0.60, 0.51
HSL	96°, 43%, 34%
HSV	96°, 60%, 49%
XYZ	11.2972, 16.7945, 5.6421
YIQ	103.5820, -3.0200, -33.3880

Conversions

Conversions Part 2

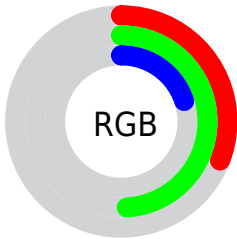
Format	Color
RYB	50, 126, 96
Decimal	5275186
CIELab	48.00, -30.02, 35.78
CIELCh	48, 46.710, 130.000
Yxy	16.7945, 0.3349, 0.4979
Android (android.graphics.Color)	4283465266 (0xFF507E32)
YUV	103.5820, -26.4159, -20.6814
Hunter-Lab	40.9810, -22.5097, 20.5240

Details

The CIELCh color $48, 46.710, 130.000$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $30, 49.683, 315.153$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 46.756, 130.005$, and $28, 46.302, 129.964$ is the 20% darker color. If you saturate the color by 10%, you get $47, 53.218, 129.752$, and if you desaturate by 10%, it is $49, 39.556, 130.394$.

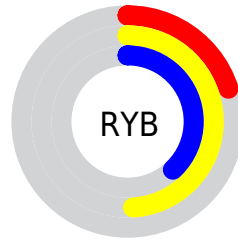
Distribution



Red (31%)

Green (49%)

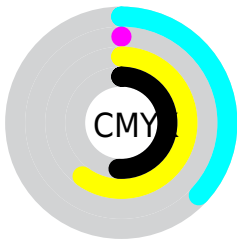
Blue (20%)



Red (20%)

Yellow (49%)

Blue (38%)

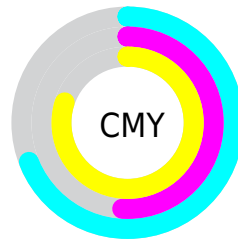


Cyan (37%)

Magenta (0%)

Yellow (60%)

Black (51%)



Cyan (69%)

Magenta (51%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 46.710, 130.000 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, 46.710, 130.000 by changing the saturation by 10% instead.

 48, 46.710,
130.000

 48, 46.710,
130.000

 100, 46.710,
130.000

 38, 46.710,
130.000

 68, 46.710,
130.000

 28, 46.710,
130.000

 78, 46.710,
130.000

 18, 46.710,
130.000

 88, 46.710,
130.000

 8, 46.710, 130.000

 98, 46.710,
130.000

 0, 46.710, 130.000

 48, 46.710,

 48, 46.710,

130.000

130.000

■ 47, 53.218,
129.752

■ 49, 39.556,
130.394

■ 47, 58.783,
129.750

■ 49, 31.988,
130.855

■ 47, 63.093,
130.110

■ 50, 24.174,
131.335

■ 46, 66.363,
130.604

■ 51, 16.237,
131.806

■ 52, 8.263, 132.254

■ 53, 0.314, 132.991

■ 54, 7.565, 313.000

■ 55, 15.342,
313.336

■ 56, 22.994,

Harmonies

Complementary

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



48, 46.710, 130.000



30, 49.683, 315.153

Rectangle

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



48, 46.710, 130.000



48, 46.710, 180.000



48, 46.710, 310.000



48, 46.710, 0.000

Sweetspot

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



48, 46.711, 130.001



65, 17.718, 131.897



43, 31.216, 77.534



33, 12.252, 131.785



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



48, 46.711, 130.001



61, 66.688, 129.718



47, 48.958, 142.024



26, 4.523, 132.311



47, 67.024, 130.625



0, 0.000, 0.000

Inverse Universe

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



30, 49.683, 315.153



35, 71.707, 315.432



34, 48.336, 330.612



25, 4.569, 313.012



21, 72.801, 314.895



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 46.710, 130.000 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, 46.710, 130.000 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, 46.710, 130.000

Background



This preview shows how black text looks on a background with the CIELCh color 48, 46.710, 130.000.



This preview shows how white text looks on a background with the CIELCh color 48, 46.710, 130.000.

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, 46.710, 130.000

Protanopia
48, 38.658, 96.352

Deuteranopia
48, 34.657, 79.500



Tritanopia
48, 10.766, 228.234

Trichromacy



Original Color
48, 46.710, 130.000

Protanomaly
48, 39.762, 110.907

Deuteranomaly
47, 34.702, 102.260

Tritanomaly
48, 18.654, 153.570

Monochromacy



Original Color
48, 46.710, 130.000

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 17.405, 131.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 46.710, 130.000 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(80, 126, 50)` looks like.

```
.text, #text, p{  
    color:rgb(80, 126, 50)  
}
```

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(80, 126, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 126, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 46.710, 130.000 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(80, 126, 50) }
```

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

```
.border{ border-color:rgb(80, 126, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 126, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 126, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 126, 50);  
box-shadow:4px 4px 4px 4px rgb(80, 126,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 46.710, 130.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 126, 50) }
```

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

```
.background{ background-color: rgb(80, 126,  
50) }
```

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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