

Converting Colors

CIELCh(48, 31.215, 142.016)

Have a look what the booklet for
CIELCh(48, 31.215, 142.016)
contains.

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Color

CIELCh(48, 30.730, 142.056)

Conversions

Conversions Part 1

Format	Color
Hex	517C51
RGB	81, 124, 81
RGB Percent	32%, 49%, 32%
CMY	0.6819, 0.5133, 0.6819
CMYK	0.35, 0.00, 0.35, 0.51
HSL	120°, 21%, 40%
HSV	120°, 35%, 49%
XYZ	12.1145, 16.7945, 10.4090
YIQ	106.2410, -11.8250, -22.4890

Conversions

Conversions Part 2

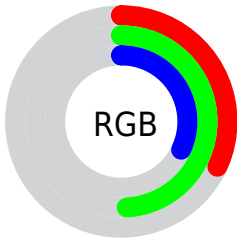
Format	Color
R_{YB}	81, 124, 124
Decimal	5340241
CIE _{Lab}	48.00, -24.23, 18.90
CIE _{LCh}	48, 30.730, 142.056
Yxy	16.7945, 0.3081, 0.4271
Android (android.graphics.Color)	4283530321 (0xFF517C51)
YUV	106.2410, -12.4438, -22.1364
Hunter-Lab	40.9810, -18.9500, 13.6273

Details

The CIELCh color $48, 30.730, 142.056$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $41, 30.712, 326.228$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 30.662, 142.190$, and $28, 30.652, 142.177$ is the 20% darker color. If you saturate the color by 10%, you get $47, 39.266, 141.122$, and if you desaturate by 10%, it is $49, 21.916, 142.880$.

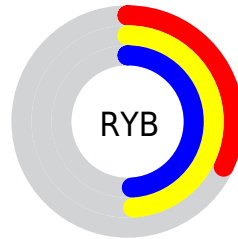
Distribution



Red (32%)

Green (49%)

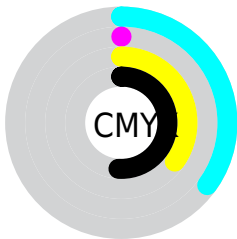
Blue (32%)



Red (32%)

Yellow (49%)

Blue (49%)

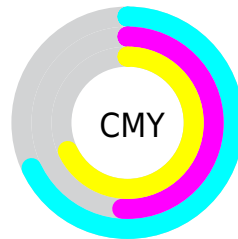


Cyan (35%)

Magenta (0%)

Yellow (35%)

Black (51%)



Cyan (68%)


Magenta (51%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 30.730, 142.056 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, 30.730, 142.056 by changing the saturation by 10% instead.


 48, 30.730,
142.056


 48, 30.730,
142.056


 100, 30.730,
142.056

 38, 30.730,
142.056

 68, 30.730,
142.056


 28, 30.730,
142.056

 78, 30.730,
142.056

 18, 30.730,
142.056

 88, 30.730,
142.056

 8, 30.730, 142.056

 98, 30.730,
142.056

 0, 30.730, 142.056

 48, 30.730,

 48, 30.730,

142.056

142.056

■ 47, 39.266,
141.122

■ 49, 21.916,
142.880

■ 46, 47.303,
140.090

■ 50, 12.994,
143.595

■ 46, 54.577,
139.002

■ 51, 4.097, 144.232

■ 45, 60.776,
137.937

■ 53, 4.681, 324.666

■ 45, 65.568,
137.015

■ 54, 13.273,
325.131

■ 45, 68.760,
136.348

■ 56, 21.636,
325.511

■ 45, 70.276,
136.015

■ 58, 29.745,
325.832

■ 59, 37.591,
326.106

■ 61, 45.171,
326.341

Harmonies

Complementary

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



48, 30.730, 142.056



41, 30.712, 326.228

Rectangle

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



48, 30.730, 142.056



48, 30.730, 192.056



48, 30.730, 322.056



48, 30.730, 12.056

Sweetspot

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



48, 30.731, 142.056



64, 10.926, 143.881



51, 24.225, 106.257



34, 7.518, 143.807



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, 30.731, 142.056



60, 45.699, 141.284



48, 21.431, 159.652



25, 4.922, 143.955



45, 70.614, 136.015



87, 118.869, 136.016

Inverse Universe

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



41, 30.712, 326.228



49, 45.593, 326.628



40, 22.240, 345.854



24, 4.930, 324.891



29, 68.132, 328.229



60, 114.690, 328.229

Previews

White Background



This preview shows how the CIELCh color 48, 30.730, 142.056 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 48, 30.730, 142.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

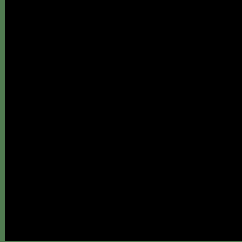
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 30.730, 142.056

Background



This preview shows how black text looks on a background with the CIELCh color 48, 30.730, 142.056.



This preview shows how white text looks on a background with the CIELCh color 48, 30.730, 142.056.

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, 30.730, 142.056

Protanopia

48, 21.498, 95.062

Deuteranopia

48, 18.242, 69.969



Tritanopia
48, 11.586, 229.272

Trichromacy



Original Color
48, 30.730, 142.056

Protanomaly
48, 22.958, 117.114

Deuteranomaly
47, 17.525, 106.316

Tritanomaly
48, 13.896, 175.351

Monochromacy



Original Color
48, 30.730, 142.056

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 11.623, 143.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 30.730, 142.056 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(81, 124, 81)` looks like.

```
.text, #text, p{  
    color:rgb(81, 124, 81)  
}
```

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(81, 124, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 124, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 30.730, 142.056 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(81, 124, 81) }
```

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

```
.border{ border-color:rgb(81, 124, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 124, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 124, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 124, 81);  
box-shadow:4px 4px 4px 4px rgb(81, 124,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 30.730, 142.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 124, 81) }
```

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

```
.background{ background-color: rgb(81, 124,  
81) }
```

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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