

Converting Colors

CIELCh(48, 50.328, 133.969)

Have a look what the booklet for
CIELCh(48, 50.328, 133.969)
contains.

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Color

CIELCh(48, 50.328, 133.969)

Conversions

Conversions Part 1

Format	Color
Hex	458031
RGB	69, 128, 49
RGB Percent	27%, 50%, 19%
CMY	0.7311, 0.4997, 0.8094
CMYK	0.46, 0.00, 0.62, 0.50
HSL	105°, 45%, 35%
HSV	105°, 62%, 50%
XYZ	10.6329, 16.7945, 5.5428
YIQ	101.3530, -9.8050, -37.0770

Conversions

Conversions Part 2

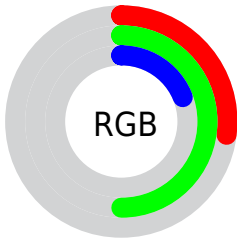
Format	Color
R_{YB}	49, 128, 108
Decimal	4554801
CIE Lab	48.00, -34.94, 36.22
CIE LCh	48, 50.328, 133.969
Yxy	16.7945, 0.3225, 0.5094
Android (android.graphics.Color)	4282744881 (0xFF458031)
YUV	101.3530, -25.8100, -28.3736
Hunter-Lab	40.9810, -25.4034, 20.6676

Details

The CIELCh color **48, 50.328, 133.969** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **32, 51.877, 319.550**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 50.152, 133.758**, and **28, 49.711, 134.457** is the 20% darker color. If you saturate the color by 10%, you get **47, 56.991, 133.538**, and if you desaturate by 10%, it is **49, 42.901, 134.516**.

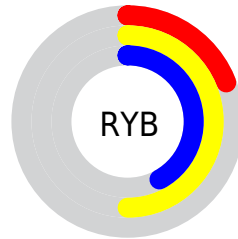
Distribution



Red (27%)

Green (50%)

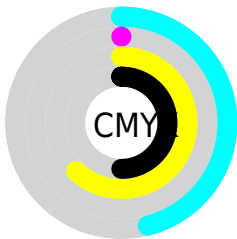
Blue (19%)



Red (19%)

Yellow (50%)

Blue (42%)

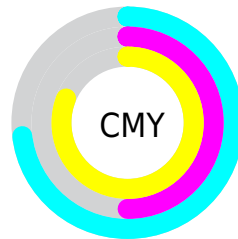


Cyan (46%)

Magenta (0%)

Yellow (62%)

Black (50%)



Cyan (73%)


Magenta (50%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 50.328, 133.969 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, 50.328, 133.969 by changing the saturation by 10% instead.


 48, 50.328,
133.969


 48, 50.328,
133.969


 100, 50.328,
133.969

 38, 50.328,
133.969

 68, 50.328,
133.969


 28, 50.328,
133.969

 78, 50.328,
133.969

 18, 50.328,
133.969

 88, 50.328,
133.969

 8, 50.328, 133.969

 98, 50.328,
133.969

 0, 50.328, 133.969

 48, 50.328,

 48, 50.328,

133.969

133.969

■ 47, 56.991,
133.538

■ 49, 42.901,
134.516

■ 47, 62.565,
133.328

■ 49, 34.974,
135.101

■ 47, 66.726,
133.451

■ 50, 26.748,
135.676

■ 46, 69.412,
133.575

■ 51, 18.373,
136.216

■ 52, 9.956, 136.710

■ 53, 1.579, 137.219

■ 54, 6.703, 317.493

■ 56, 14.848,
317.838

■ 57, 22.830,

Harmonies

Complementary

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



48, 50.328, 133.969



32, 51.877, 319.550

Rectangle

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



48, 50.328, 133.969



48, 50.328, 183.969



48, 50.328, 313.969



48, 50.328, 3.969

Sweetspot

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



48, 50.329, 133.970



65, 19.733, 136.341



46, 34.986, 88.446



34, 13.693, 136.217



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, 50.329, 133.970



61, 71.741, 133.425



47, 46.025, 145.875



26, 4.705, 136.842



46, 69.383, 133.574



0, 0.000, 0.000

Inverse Universe

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



32, 51.877, 319.550



37, 73.937, 319.711



34, 45.600, 336.006



25, 4.736, 317.561



24, 70.944, 319.156



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 50.328, 133.969 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, 50.328, 133.969 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, 50.328, 133.969

Background



This preview shows how black text looks on a background with the CIELCh color 48, 50.328, 133.969.



This preview shows how white text looks on a background with the CIELCh color 48, 50.328, 133.969.

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, 50.328, 133.969

Protanopia
48, 39.139, 96.382

Deuteranopia
48, 35.150, 79.781



Tritanopia
48, 13.973, 220.619

Trichromacy



Original Color
48, 50.328, 133.969

Protanomaly
47, 41.023, 113.863

Deuteranomaly
47, 35.637, 106.024

Tritanomaly
48, 22.319, 159.725

Monochromacy



Original Color
48, 50.328, 133.969

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 19.622, 136.352

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 50.328, 133.969 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(69, 128, 49)` looks like.

```
.text, #text, p{  
    color:rgb(69, 128, 49)  
}
```

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(69, 128, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 128, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 50.328, 133.969 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(69, 128, 49) }
```

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

```
.border{ border-color:rgb(69, 128, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 128, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 128, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 128, 49);  
box-shadow:4px 4px 4px 4px rgb(69, 128,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 50.328, 133.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 128, 49) }
```

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

```
.background{ background-color: rgb(69, 128,  
49) }
```

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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