

Converting Colors

CIELCh(50, 28.732, 113.877)

Have a look what the booklet for
CIELCh(50, 28.732, 113.877)
contains.

CIELCh(50, 28.735, 113.607)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(50, 28.735, 113.607)

Conversions

Conversions Part 1

Format	Color
Hex	737B49
RGB	115, 123, 73
RGB Percent	45%, 48%, 29%
CMY	0.5475, 0.5161, 0.7123
CMYK	0.06, 0.00, 0.41, 0.52
HSL	70°, 25%, 39%
HSV	70°, 41%, 48%
XYZ	15.4668, 18.4187, 9.1063
YIQ	114.9080, 11.2820, -17.2460

Conversions

Conversions Part 2

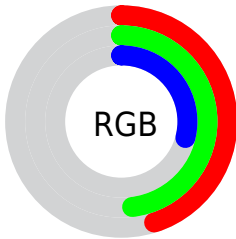
Format	Color
RYB	73, 123, 81
Decimal	7568201
CIELab	50.00, -11.51, 26.33
CIElCh	50, 28.735, 113.607
Yxy	18.4187, 0.3598, 0.4284
Android (android.graphics.Color)	4285758281 (0xFF737B49)
YUV	114.9080, -20.6606, 0.0807
Hunter-Lab	42.9170, -10.7754, 17.4615

Details

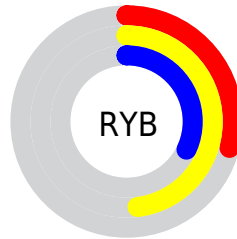
The CIELCh color **50, 28.735, 113.607** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **34, 31.568, 300.176**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 28.711, 113.056**, and **30, 28.708, 112.950** is the 20% darker color. If you saturate the color by 10%, you get **50, 35.377, 112.971**, and if you desaturate by 10%, it is **50, 21.826, 114.296**.

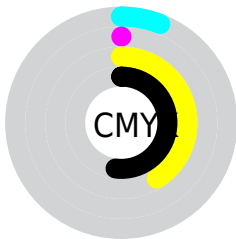
Distribution



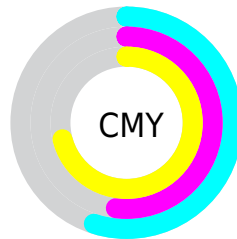
- Red (45%)
- Green (48%)
- Blue (29%)



- Red (29%)
- Yellow (48%)
- Blue (32%)



- Cyan (6%)
- Magenta (0%)
- Yellow (41%)
- Black (52%)




- Cyan (55%)
- Magenta (52%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 28.735, 113.607 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 50, 28.735, 113.607 by changing the saturation by 10% instead.

 50, 28.735,
113.607


 50, 28.735,
113.607


 100, 28.735,
113.607


 40, 28.735,
113.607

 70, 28.735,
113.607

 30, 28.735,
113.607

 80, 28.735,
113.607

 20, 28.735,
113.607

 90, 28.735,
113.607

 10, 28.735,
113.607

 0, 28.735, 113.607

 50, 28.735,
113.607

 50, 28.735,
113.607

■ 50, 35.377,
112.971

■ 50, 21.826,
114.296

■ 49, 41.589,
112.422

■ 51, 14.753,
115.004

■ 49, 47.147,
112.014

■ 51, 7.590, 115.711

■ 49, 51.758,
111.818

■ 52, 0.385, 116.400

■ 52, 6.828, 297.080

■ 49, 55.122,
111.907

■ 53, 14.025,
297.724

■ 48, 57.536,
112.152

■ 53, 21.188,
298.336

■ 54, 28.305,
298.915

■ 55, 35.364,
299.459

Harmonies

Complementary

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



50, 28.735, 113.607



34, 31.568, 300.176

Rectangle

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



50, 28.735, 113.607



50, 28.735, 163.607



50, 28.735, 293.607



50, 28.735, 343.607

Sweetspot

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



50, 28.736, 113.610



65, 10.718, 115.588



39, 20.504, 34.822



34, 7.163, 115.517



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



50, 28.736, 113.610



64, 42.585, 112.993



48, 32.005, 132.280



26, 4.028, 115.815



49, 58.061, 112.163



93, 97.899, 112.637

Inverse Universe

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



34, 31.568, 300.176



40, 48.154, 301.373



37, 33.155, 315.809



23, 4.109, 297.106



13, 77.823, 307.155



33, 131.614, 306.849

Previews

White Background



This preview shows how the CIE LCh color 50, 28.735, 113.607 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 50, 28.735, 113.607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

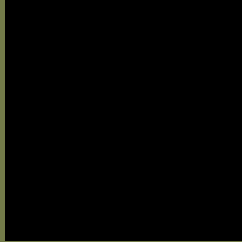
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 28.735, 113.607

Background



This preview shows how black text looks on a background with the CIELCh color 50, 28.735, 113.607.



This preview shows how white text looks on a background with the CIELCh color 50, 28.735, 113.607.

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


50, 28.735, 113.607

Protanopia

50, 27.483, 95.981

Deuteranopia

50, 26.079, 76.296



Tritanopia
50, 5.657, 311.258

Trichromacy



Original Color
50, 28.735, 113.607

Protanomaly
50, 28.073, 102.740

Deuteranomaly
50, 25.422, 90.131

Tritanomaly
50, 7.000, 105.831

Monochromacy



Original Color
50, 28.735, 113.607

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 10.584, 115.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 28.735, 113.607 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(115, 123, 73)` looks like.

```
.text, #text, p{  
    color:rgb(115, 123, 73)  
}
```

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(115, 123, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 123, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 28.735, 113.607 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(115, 123, 73) }
```

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

```
.border{ border-color:rgb(115, 123, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 123, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 123, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 123, 73);  
box-shadow:4px 4px 4px 4px rgb(115, 123,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 28.735, 113.607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 123, 73) }
```

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

```
.background{ background-color: rgb(115,  
123, 73) }
```

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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