

Converting Colors

CIELCh(50, 29.230, 129.345)

Have a look what the booklet for
CIELCh(50, 29.230, 129.345)
contains.

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Color

CIELCh(50, 29.154, 129.266)

Conversions

Conversions Part 1

Format	Color
Hex	657F50
RGB	101, 127, 80
RGB Percent	40%, 50%, 31%
CMY	0.6052, 0.5032, 0.6875
CMYK	0.21, 0.00, 0.37, 0.50
HSL	93°, 23%, 40%
HSV	93°, 37%, 50%
XYZ	14.3160, 18.4187, 10.3315
YIQ	113.8680, -0.4090, -20.1290

Conversions

Conversions Part 2

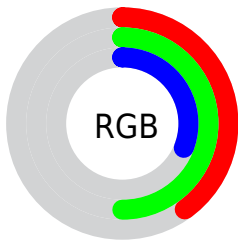
Format	Color
RYB	80, 127, 106
Decimal	6651728
CIELab	50.00, -18.45, 22.57
CIELCh	50, 29.154, 129.266
Yxy	18.4187, 0.3324, 0.4277
Android (android.graphics.Color)	4284841808 (0xFF657F50)
YUV	113.8680, -16.6969, -11.2852
Hunter-Lab	42.9170, -15.5615, 15.7689

Details

The CIELCh color **50, 29.154, 129.266** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **38, 30.469, 312.562**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 29.086, 129.204**, and **30, 29.425, 129.066** is the 20% darker color. If you saturate the color by 10%, you get **49, 36.742, 128.816**, and if you desaturate by 10%, it is **51, 21.367, 129.736**.

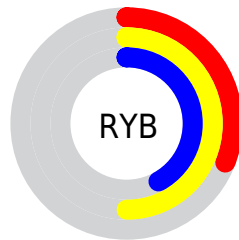
Distribution



Red (40%)

Green (50%)

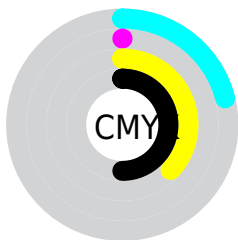
Blue (31%)



Red (31%)

Yellow (50%)

Blue (42%)

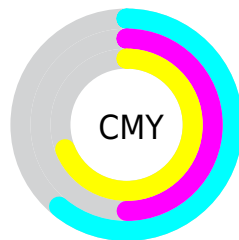


Cyan (21%)

Magenta (0%)

Yellow (37%)

Black (50%)



Cyan (61%)


Magenta (50%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 29.154, 129.266 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, 29.154, 129.266 by changing the saturation by 10% instead.


 50, 29.154,
129.266


 50, 29.154,
129.266


 100, 29.154,
129.266


 40, 29.154,
129.266


 70, 29.154,
129.266

 30, 29.154,
129.266


 80, 29.154,
129.266

 20, 29.154,
129.266

 90, 29.154,
129.266

 10, 29.154,
129.266

 0, 29.154, 129.266

 50, 29.154,
129.266

 50, 29.154,
129.266

■ 49, 36.742,
128.816

■ 51, 21.367,
129.736

■ 49, 43.979,
128.424

■ 52, 13.484,
130.196

■ 48, 50.659,
128.159

■ 52, 5.579, 130.639

■ 53, 2.295, 310.980

■ 48, 56.507,
128.117

■ 54, 10.098,
311.377

■ 47, 61.209,
128.411

■ 55, 17.804,
311.711

■ 47, 64.712,
129.037

■ 56, 25.393,
312.007

■ 47, 65.699,
129.184

■ 58, 32.852,
312.270

■ 59, 40.174,
312.503

Harmonies

Complementary

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



50, 29.154, 129.266



38, 30.469, 312.562

Rectangle

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



50, 29.154, 129.266



50, 29.154, 179.266



50, 29.154, 309.266



50, 29.154, 359.266

Sweetspot

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



50, 29.155, 129.267



67, 10.803, 130.455



46, 18.203, 76.002



35, 7.318, 130.406



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



50, 29.155, 129.267



64, 43.788, 128.859



49, 32.291, 143.160



26, 4.464, 130.550



47, 66.012, 129.194



0, 0.000, 0.000

Inverse Universe

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



38, 30.469, 312.562



46, 46.301, 312.984



41, 32.264, 327.792



25, 4.515, 311.269



20, 73.576, 313.529



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 29.154, 129.266 looks on a white 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

Black Background



This preview shows how the CIELCh color 50, 29.154, 129.266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

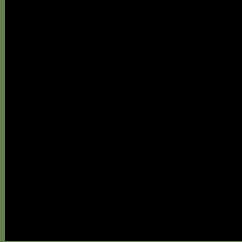
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 29.154, 129.266

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.154, 129.266.



This preview shows how white text looks on a background with the CIELCh color 50, 29.154, 129.266.

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, 29.154, 129.266

Protanopia

50, 25.198, 96.460

Deuteranopia

50, 22.044, 73.904



Tritanopia
50, 7.110, 247.016

Trichromacy



Original Color
50, 29.154, 129.266

Protanomaly
50, 25.812, 109.761

Deuteranomaly
50, 21.618, 98.974

Tritanomaly
50, 9.727, 157.050

Monochromacy



Original Color
50, 29.154, 129.266

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 10.802, 131.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.154, 129.266 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(101, 127, 80)` looks like.

```
.text, #text, p{  
    color:rgb(101, 127, 80)  
}
```

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(101, 127, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 127, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.154, 129.266 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(101, 127, 80) }
```

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

```
.border{ border-color:rgb(101, 127, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 127, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 127, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 127, 80);  
box-shadow:4px 4px 4px 4px rgb(101, 127,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.154, 129.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 127, 80) }
```

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

```
.background{ background-color: rgb(101,  
127, 80) }
```

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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