

Converting Colors

CIELCh(64, 57.278, 134.810)

Have a look what the booklet for
CIELCh(64, 57.278, 134.810)
contains.

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Color

CIELCh(64, 57.224, 135.020)

Conversions

Conversions Part 1

Format	Color
Hex	64AC4F
RGB	100, 172, 79
RGB Percent	39%, 67%, 31%
CMY	0.6076, 0.3253, 0.6900
CMYK	0.42, 0.00, 0.54, 0.33
HSL	106°, 37%, 49%
HSV	106°, 54%, 67%
XYZ	21.4362, 32.8017, 12.6078
YIQ	139.8700, -13.0590, -44.1870

Conversions

Conversions Part 2

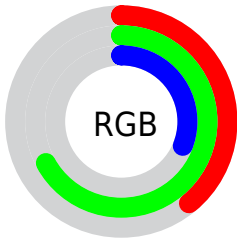
Format	Color
RYB	79, 172, 151
Decimal	6597711
CIELab	64.00, -40.48, 40.45
CIELCh	64, 57.224, 135.020
Yxy	32.8017, 0.3207, 0.4907
Android (android.graphics.Color)	4284787791 (0xFF64AC4F)
YUV	139.8700, -30.0089, -34.9660
Hunter-Lab	57.2727, -33.4178, 27.0391

Details

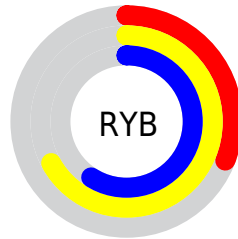
The CIELCh color $64, 57.224, 135.020$ is a dark color, and the websafe version is hex 669933 . A complement of this color would be $46, 58.619, 320.227$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $84, 57.423, 134.859$, and $44, 57.125, 135.039$ is the 20% darker color. If you saturate the color by 10%, you get $63, 66.439, 134.444$, and if you desaturate by 10%, it is $65, 47.221, 135.653$.

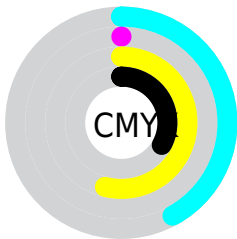
Distribution



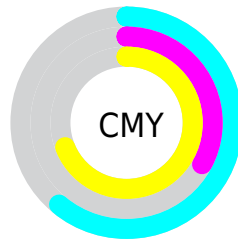
- Red (39%)
- Green (67%)
- Blue (31%)



- Red (31%)
- Yellow (67%)
- Blue (59%)



- Cyan (42%)
- Magenta (0%)
- Yellow (54%)
- Black (33%)





- Cyan (61%)
- Magenta (33%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 57.224, 135.020 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 64, 57.224, 135.020 by changing the saturation by 10% instead.

 64, 57.224,
135.020


 64, 57.224,
135.020


 100, 57.224,
135.020


 54, 57.224,
135.020


 84, 57.224,
135.020

 44, 57.224,
135.020

 94, 57.224,
135.020

 34, 57.224,
135.020

 24, 57.224,
135.020

 14, 57.224,
135.020

 4, 57.224, 135.020

 0, 57.224, 135.020

■ 64, 57.224,
135.020

■ 64, 57.224,
135.020

■ 63, 66.439,
134.444

■ 65, 47.221,
135.653

■ 63, 74.467,
134.017

■ 66, 36.732,
136.279

■ 62, 80.857,
133.862

■ 67, 25.986,
136.867

■ 62, 85.227,
134.087

■ 68, 15.150,
137.402

■ 62, 87.133,
134.272

■ 70, 4.344, 137.902

■ 71, 6.344, 318.244

■ 73, 16.853,
318.618

■ 75, 27.142,
318.929

■ 76, 37.186,
319.193

Harmonies

Complementary

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



64, 57.224, 135.020



46, 58.619, 320.227

Rectangle

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



64, 57.224, 135.020



64, 57.224, 185.020



64, 57.224, 315.020



64, 57.224, 5.020

Sweetspot

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



64, 57.225, 135.021



87, 21.422, 137.287



63, 40.163, 91.733



45, 14.453, 137.183



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 57.225, 135.021



80, 83.213, 134.338



63, 50.634, 147.893



36, 6.127, 137.639



54, 78.825, 134.157



6, 13.083, 139.284

Inverse Universe

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



46, 58.619, 320.227



54, 85.272, 320.497



48, 50.688, 336.960



34, 6.165, 318.413



29, 79.714, 319.933



2, 12.645, 315.605

Previews

White Background



This preview shows how the CIELCh color 64, 57.224, 135.020 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 57.224, 135.020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

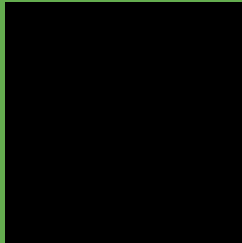
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 57.224, 135.020

Background



This preview shows how black text looks on a background with the CIELCh color 64, 57.224, 135.020.



This preview shows how white text looks on a background with the CIELCh color 64, 57.224, 135.020.

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
64, 57.224, 135.020

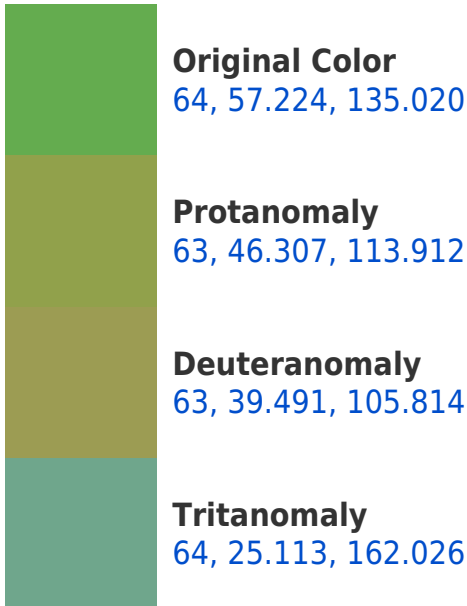
Protanopia
64, 44.284, 95.380

Deuteranopia
64, 38.760, 77.964

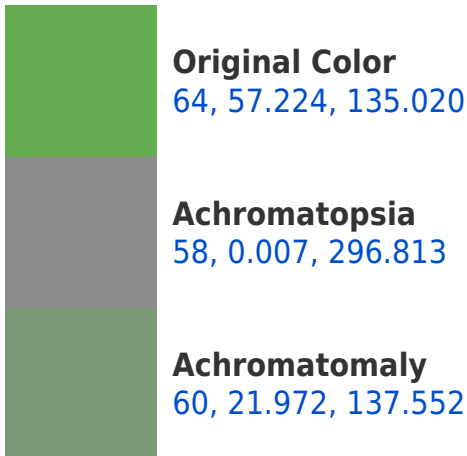


Tritanopia
64, 16.591, 224.355

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 57.224, 135.020 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(100, 172, 79)` looks like.

```
.text, #text, p{  
    color:rgb(100, 172, 79)  
}
```

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(100, 172, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 172, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 57.224, 135.020 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(100, 172, 79) }
```

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

```
.border{ border-color:rgb(100, 172, 79) }
```

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

Here you see how a box with a 4 pixel rgb(100, 172, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 172, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 172, 79);  
box-shadow:4px 4px 4px 4px rgb(100, 172,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 57.224, 135.020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 172, 79) }
```

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

```
.background{ background-color: rgb(100,  
172, 79) }
```

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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