

Converting Colors

CIELCh(64, 51.311, 133.733)

Have a look what the booklet for
CIELCh(64, 51.311, 133.733)
contains.

CIELCh(64, 51.214, 133.671)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 51.214, 133.671)

Conversions

Conversions Part 1

Format	Color
Hex	6EAA56
RGB	110, 170, 86
RGB Percent	43%, 67%, 34%
CMY	0.5681, 0.3328, 0.6622
CMYK	0.35, 0.00, 0.49, 0.33
HSL	103°, 33%, 50%
HSV	103°, 49%, 67%
XYZ	22.5350, 32.8017, 13.9758
YIQ	142.4840, -8.7960, -38.8440

Conversions

Conversions Part 2

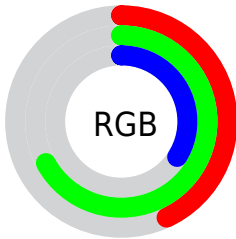
Format	Color
RYB	86, 170, 146
Decimal	7252566
CIELab	64.00, -35.36, 37.04
CIELCh	64, 51.214, 133.671
Yxy	32.8017, 0.3251, 0.4732
Android (android.graphics.Color)	4285442646 (0xFF6EAA56)
YUV	142.4840, -27.8466, -28.4885
Hunter-Lab	57.2727, -29.9934, 25.6229

Details

The CIELCh color **64, 51.214, 133.671** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **47, 52.922, 318.212**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 51.620, 133.669**, and **44, 51.118, 133.765** is the 20% darker color. If you saturate the color by 10%, you get **63, 60.625, 133.152**, and if you desaturate by 10%, it is **65, 41.212, 134.235**.

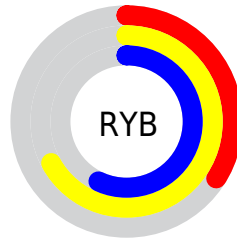
Distribution



Red (43%)

Green (67%)

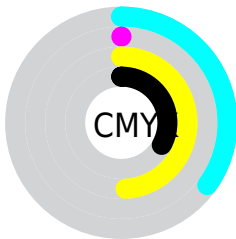
Blue (34%)



Red (34%)

Yellow (67%)

Blue (57%)

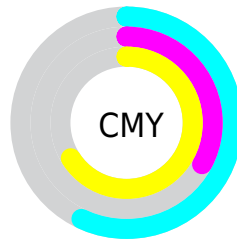


Cyan (35%)

Magenta (0%)

Yellow (49%)

Black (33%)



Cyan (57%)


Magenta (33%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 51.214, 133.671 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, 51.214, 133.671 by changing the saturation by 10% instead.


 64, 51.214,
133.671


 64, 51.214,
133.671


 100, 51.214,
133.671


 54, 51.214,
133.671


 84, 51.214,
133.671

 44, 51.214,
133.671


 94, 51.214,
133.671

 34, 51.214,
133.671

 24, 51.214,
133.671

 14, 51.214,
133.671

 4, 51.214, 133.671

 0, 51.214, 133.671

■ 64, 51.214,
133.671

■ 64, 51.214,
133.671

■ 63, 60.625,
133.152

■ 65, 41.212,
134.235

■ 63, 69.107,
132.756

■ 66, 30.866,
134.792

■ 62, 76.240,
132.596

■ 67, 20.358,
135.317

■ 62, 81.597,
132.795

■ 68, 9.818, 135.800

■ 61, 85.191,
133.305

■ 70, 0.658, 315.959

■ 61, 85.397,
133.329

■ 71, 11.005,
316.566

■ 73, 21.176,
316.899

■ 74, 31.139,
317.183

■ 76, 40.876,
317.428

Harmonies

Complementary

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



64, 51.214, 133.671



47, 52.922, 318.212

Rectangle

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



64, 51.214, 133.671



64, 51.214, 183.671



64, 51.214, 313.671



64, 51.214, 3.671

Sweetspot

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



64, 51.215, 133.672



86, 19.538, 135.520



61, 34.588, 87.382



46, 13.444, 135.419



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, 51.215, 133.672



80, 74.650, 133.120



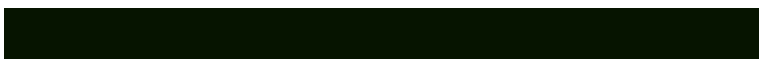
63, 48.548, 146.220



35, 5.873, 135.805



54, 76.903, 133.185



5, 10.824, 137.420

Inverse Universe

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



47, 52.922, 318.212



55, 77.492, 318.524



49, 48.484, 333.763



33, 5.918, 316.549



27, 79.501, 317.977



1, 10.497, 313.823

Previews

White Background



This preview shows how the CIELCh color 64, 51.214, 133.671 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, 51.214, 133.671 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, 51.214, 133.671

Background



This preview shows how black text looks on a background with the CIELCh color 64, 51.214, 133.671.



This preview shows how white text looks on a background with the CIELCh color 64, 51.214, 133.671.

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, 51.214, 133.671

Protanopia
64, 40.654, 96.277

Deuteranopia
64, 35.655, 76.709



Tritanopia
64, 13.892, 230.193

Trichromacy



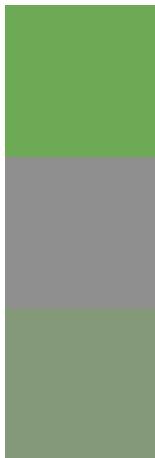
Original Color
64, 51.214, 133.671

Protanomaly
64, 42.246, 113.329

Deuteranomaly
63, 35.477, 103.421

Tritanomaly
64, 21.048, 160.091

Monochromacy



Original Color
64, 51.214, 133.671

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 19.496, 135.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 51.214, 133.671 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(110, 170, 86)` looks like.

```
.text, #text, p{  
    color:rgb(110, 170, 86)  
}
```

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(110, 170, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 170, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 51.214, 133.671 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(110, 170, 86) }
```

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

```
.border{ border-color:rgb(110, 170, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 170, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 170, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 170, 86);  
box-shadow:4px 4px 4px 4px rgb(110, 170,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 51.214, 133.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 170, 86) }
```

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

```
.background{ background-color: rgb(110,  
170, 86) }
```

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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