

Converting Colors

CIELCh(64, 50.567, 116.268)

Have a look what the booklet for
CIELCh(64, 50.567, 116.268)
contains.

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Color

CIELCh(64, 50.500, 116.335)

Conversions

Conversions Part 1

Format	Color
Hex	8DA446
RGB	141, 164, 70
RGB Percent	55%, 64%, 27%
CMY	0.4458, 0.3556, 0.7243
CMYK	0.14, 0.00, 0.57, 0.36
HSL	75°, 40%, 46%
HSV	75°, 57%, 64%
XYZ	25.4867, 32.8017, 10.8322
YIQ	146.4070, 16.4660, -34.1100

Conversions

Conversions Part 2

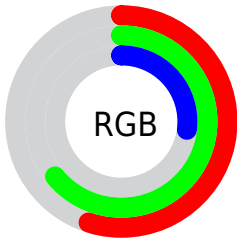
Format	Color
RYB	70, 164, 93
Decimal	9282630
CIELab	64.00, -22.40, 45.26
CIELCh	64, 50.500, 116.335
Yxy	32.8017, 0.3687, 0.4746
Android (android.graphics.Color)	4287472710 (0xFF8DA446)
YUV	146.4070, -37.6687, -4.7419
Hunter-Lab	57.2727, -20.7937, 28.8772

Details

The CIELCh color **64, 50.500, 116.335** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **37, 57.991, 304.688**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 50.782, 116.478**, and **44, 50.373, 116.363** is the 20% darker color. If you saturate the color by 10%, you get **64, 57.839, 116.008**, and if you desaturate by 10%, it is **64, 42.391, 116.819**.

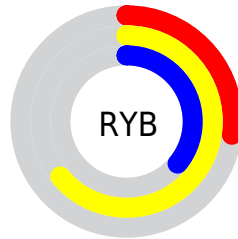
Distribution



Red (55%)

Green (64%)

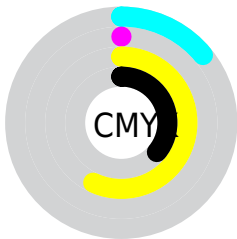
Blue (27%)



Red (27%)

Yellow (64%)

Blue (36%)

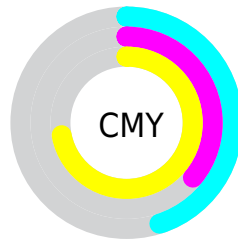


Cyan (14%)

Magenta (0%)

Yellow (57%)

Black (36%)



Cyan (45%)


Magenta (36%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 50.500, 116.335 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, 50.500, 116.335 by changing the saturation by 10% instead.

 64, 50.500,
116.335

 64, 50.500,
116.335


 100, 50.500,
116.335


 54, 50.500,
116.335


 84, 50.500,
116.335

 44, 50.500,
116.335

 94, 50.500,
116.335

 34, 50.500,
116.335

 24, 50.500,
116.335

 14, 50.500,
116.335

 4, 50.500, 116.335

 0, 50.500, 116.335

■ 64, 50.500,
116.335

■ 64, 50.500,
116.335

■ 64, 57.839,
116.008

■ 64, 42.391,
116.819

■ 63, 64.035,
115.918

■ 65, 33.785,
117.391

■ 63, 68.686,
116.165

■ 66, 24.878,
118.008

■ 63, 71.634,
116.794

■ 66, 15.796,
118.640

■ 62, 72.358,
116.983

■ 67, 6.628, 119.268

■ 68, 2.569, 299.861

■ 69, 11.752,
300.449

■ 69, 20.891,
300.999

■ 70, 29.966,
301.514

Harmonies

Complementary

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



64, 50.500, 116.335



37, 57.991, 304.688

Rectangle

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



64, 50.500, 116.335



64, 50.500, 166.335



64, 50.500, 296.335



64, 50.500, 346.335

Sweetspot

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



64, 50.501, 116.337



84, 19.354, 118.634



47, 37.247, 43.008



44, 12.916, 118.515



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



64, 50.501, 116.337



81, 72.942, 115.951



61, 57.353, 133.781



34, 5.167, 119.140



56, 66.088, 116.854



5, 8.131, 121.719

Inverse Universe

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



37, 57.991, 304.688



41, 87.413, 306.078



42, 59.243, 319.040



32, 5.267, 300.297



18, 85.995, 307.831



1, 8.054, 298.822

Previews

White Background



This preview shows how the CIELCh color 64, 50.500, 116.335 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 CIE LCh color 64, 50.500, 116.335 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, 50.500, 116.335

Background



This preview shows how black text looks on a background with the CIELCh color 64, 50.500, 116.335.

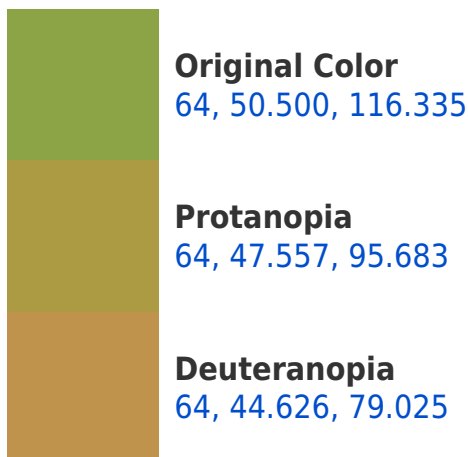



This preview shows how white text looks on a background with the CIELCh color 64, 50.500, 116.335.

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





Tritanopia
64, 7.282, 285.143

Trichromacy



Original Color
64, 50.500, 116.335

Protanomaly
64, 47.719, 103.349

Deuteranomaly
63, 44.125, 93.563

Tritanomaly
64, 14.972, 124.127

Monochromacy



Original Color
64, 50.500, 116.335

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 19.182, 117.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 50.500, 116.335 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(141, 164, 70)` looks like.

```
.text, #text, p{  
    color:rgb(141, 164, 70)  
}
```

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(141, 164, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 164, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 50.500, 116.335 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(141, 164, 70) }
```

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

```
.border{ border-color:rgb(141, 164, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 164, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 164, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 164, 70);  
box-shadow:4px 4px 4px 4px rgb(141, 164,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 50.500, 116.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 164, 70) }
```

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

```
.background{ background-color: rgb(141,  
164, 70) }
```

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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