

Converting Colors

CIELCh(64, 65.959, 117.576)

Have a look what the booklet for
CIELCh(64, 65.959, 117.576)
contains.

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Color

CIELCh(64, 66.121, 117.668)

Conversions

Conversions Part 1

Format	Color
Hex	83A825
RGB	131, 168, 37
RGB Percent	51%, 66%, 15%
CMY	0.4877, 0.3426, 0.8565
CMYK	0.22, 0.00, 0.78, 0.34
HSL	77°, 64%, 40%
HSV	77°, 78%, 66%
XYZ	23.5686, 32.8017, 6.8054
YIQ	142.0030, 19.9990, -48.5850

Conversions

Conversions Part 2

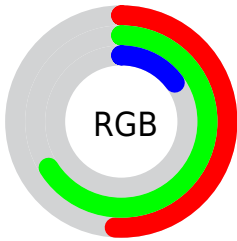
Format	Color
RYB	37, 168, 74
Decimal	8628261
CIELab	64.00, -30.70, 58.56
CIElCh	64, 66.121, 117.668
Yxy	32.8017, 0.3731, 0.5192
Android (android.graphics.Color)	4286818341 (0xFF83A825)
YUV	142.0030, -51.7665, -9.6496
Hunter-Lab	57.2727, -26.7719, 33.0459

Details

The CIELCh color **64, 66.121, 117.668** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **28, 80.413, 307.541**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 66.027, 117.660**, and **44, 57.536, 120.958** is the 20% darker color. If you saturate the color by 10%, you get **64, 70.762, 118.028**, and if you desaturate by 10%, it is **64, 59.879, 117.676**.

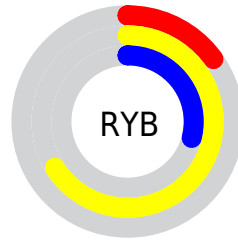
Distribution



Red (51%)

Green (66%)

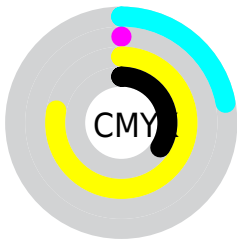
Blue (15%)



Red (15%)

Yellow (66%)

Blue (29%)

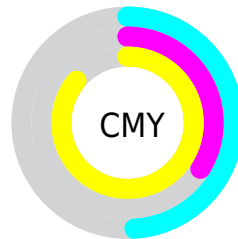


Cyan (22%)

Magenta (0%)

Yellow (78%)

Black (34%)



Cyan (49%)

Magenta (34%)

Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 66.121, 117.668 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, 66.121, 117.668 by changing the saturation by 10% instead.

 64, 66.121,
117.668

 64, 66.121,
117.668

 100, 66.121,
117.668

 54, 66.121,
117.668

 84, 66.121,
117.668

 44, 66.121,
117.668

 94, 66.121,
117.668

 34, 66.121,
117.668

 24, 66.121,
117.668

 14, 66.121,
117.668

 4, 66.121, 117.668

 0, 66.121, 117.668

■ 64, 66.121,
117.668

■ 64, 66.121,
117.668

■ 64, 70.762,
118.028

■ 64, 59.879,
117.676

■ 63, 73.731,
118.776

■ 65, 52.441,
117.942

■ 63, 74.226,
118.916

■ 65, 44.188,
118.375

■ 66, 35.413,
118.906

■ 67, 26.318,
119.485

■ 67, 17.040,
120.081

■ 68, 7.672, 120.674

■ 69, 1.723, 301.219

■ 70, 11.101,
301.782

Harmonies

Complementary

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



64, 66.121, 117.668



28, 80.413, 307.541

Rectangle

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



64, 66.121, 117.668



64, 66.121, 167.668



64, 66.121, 297.668



64, 66.121, 347.668

Sweetspot

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



64, 66.121, 117.670



84, 26.535, 119.769



43, 54.343, 46.354



45, 18.485, 119.561



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 66.121, 117.670



80, 88.438, 118.584



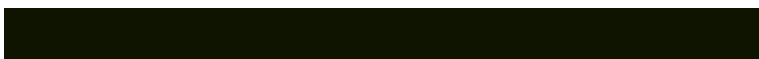
61, 75.614, 133.760



35, 5.328, 120.608



56, 67.641, 118.774



6, 9.869, 123.876

Inverse Universe

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



28, 80.413, 307.541



31, 112.278, 308.093



37, 77.412, 320.303



33, 5.428, 301.693



18, 86.590, 308.259



1, 9.713, 299.643

Previews

White Background



This preview shows how the CIELCh color 64, 66.121, 117.668 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, 66.121, 117.668 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, 66.121, 117.668

Background



This preview shows how black text looks on a background with the CIELCh color 64, 66.121, 117.668.



This preview shows how white text looks on a background with the CIELCh color 64, 66.121, 117.668.

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, 66.121, 117.668

Protanopia
64, 61.019, 95.268

Deuteranopia
64, 57.575, 81.858



Tritanopia
64, 8.194, 261.759

Trichromacy



Original Color
64, 66.121, 117.668

Protanomaly
64, 61.833, 104.362

Deuteranomaly
64, 57.484, 96.544

Tritanomaly
63, 23.041, 128.427

Monochromacy



Original Color
64, 66.121, 117.668

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 26.629, 119.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 66.121, 117.668 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(131, 168, 37)` looks like.

```
.text, #text, p{  
    color:rgb(131, 168, 37)  
}
```

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(131, 168, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 168, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 66.121, 117.668 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(131, 168, 37) }
```

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

```
.border{ border-color:rgb(131, 168, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 168, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 168, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 168, 37);  
box-shadow:4px 4px 4px 4px rgb(131, 168,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 66.121, 117.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 168, 37) }
```

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

```
.background{ background-color: rgb(131,  
168, 37) }
```

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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