

Converting Colors

CIELCh(64, 65.045, 117.597)

Have a look what the booklet for
CIELCh(64, 65.045, 117.597)
contains.

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Color

CIELCh(64, 65.045, 117.597)

Conversions

Conversions Part 1

Format	Color
Hex	83A727
RGB	131, 167, 39
RGB Percent	51%, 65%, 15%
CMY	0.4846, 0.3434, 0.8452
CMYK	0.21, 0.00, 0.76, 0.34
HSL	77°, 62%, 41%
HSV	77°, 76%, 66%
XYZ	23.6974, 32.8017, 7.0436
YIQ	141.6440, 19.6320, -47.4400

Conversions

Conversions Part 2

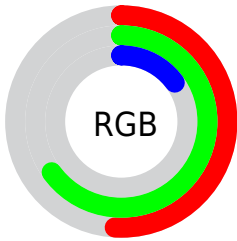
Format	Color
RYB	39, 167, 75
Decimal	8628007
CIELab	64.00, -30.13, 57.64
CIELCh	64, 65.045, 117.597
Yxy	32.8017, 0.3729, 0.5162
Android (android.graphics.Color)	4286818087 (0xFF83A727)
YUV	141.6440, -50.6035, -9.3348
Hunter-Lab	57.2727, -26.3705, 32.7992

Details

The CIELCh color **64, 65.045, 117.597** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **29, 78.712, 307.395**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 65.119, 117.533**, and **44, 57.078, 120.684** is the 20% darker color. If you saturate the color by 10%, you get **64, 69.986, 117.884**, and if you desaturate by 10%, it is **64, 58.571, 117.659**.

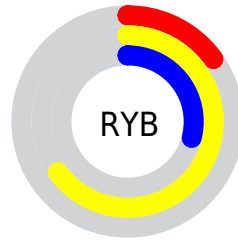
Distribution



Red (51%)

Green (65%)

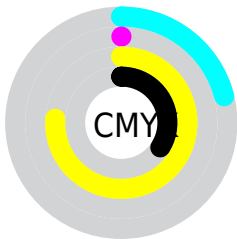
Blue (15%)



Red (15%)

Yellow (65%)

Blue (29%)

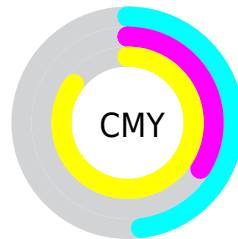


Cyan (21%)

Magenta (0%)

Yellow (76%)

Black (34%)



Cyan (48%)


Magenta (34%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 65.045, 117.597 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, 65.045, 117.597 by changing the saturation by 10% instead.

 64, 65.045,
117.597


 64, 65.045,
117.597


 100, 65.045,
117.597


 54, 65.045,
117.597


 84, 65.045,
117.597

 44, 65.045,
117.597

 94, 65.045,
117.597

 34, 65.045,
117.597

 24, 65.045,
117.597

 14, 65.045,
117.597

 4, 65.045, 117.597

 0, 65.045, 117.597

■ 64, 65.045,
117.597

■ 64, 65.045,
117.597

■ 64, 69.986,
117.884

■ 64, 58.571,
117.659

■ 63, 73.163,
118.583

■ 65, 50.975,
117.962

■ 63, 74.129,
118.862

■ 65, 42.623,
118.418

■ 66, 33.790,
118.961

■ 67, 24.666,
119.547

■ 67, 15.379,
120.144

■ 68, 6.014, 120.736

■ 69, 3.369, 301.288

■ 70, 12.729,
301.836

Harmonies

Complementary

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



64, 65.045, 117.597



29, 78.712, 307.395

Rectangle

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



64, 65.045, 117.597



64, 65.045, 167.597



64, 65.045, 297.597



64, 65.045, 347.597

Sweetspot

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



64, 65.045, 117.599



84, 26.530, 119.726



43, 52.845, 46.314



45, 18.482, 119.518



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, 65.045, 117.599



80, 87.791, 118.356



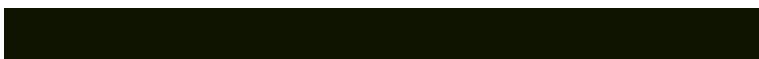
61, 74.373, 133.795



35, 5.327, 120.567



56, 67.620, 118.721



6, 9.867, 123.832

Inverse Universe

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



29, 78.712, 307.395



31, 111.107, 308.092



37, 76.187, 320.314



33, 5.427, 301.654



18, 86.605, 308.246



1, 9.711, 299.607

Previews

White Background



This preview shows how the CIELCh color 64, 65.045, 117.597 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, 65.045, 117.597 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, 65.045, 117.597

Background



This preview shows how black text looks on a background with the CIELCh color 64, 65.045, 117.597.



This preview shows how white text looks on a background with the CIELCh color 64, 65.045, 117.597.

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, 65.045, 117.597

Protanopia
64, 60.090, 95.248

Deuteranopia
64, 56.442, 81.559



Tritanopia
64, 7.719, 259.614

Trichromacy



Original Color
64, 65.045, 117.597

Protanomaly
64, 60.898, 104.043

Deuteranomaly
63, 56.053, 96.017

Tritanomaly
63, 23.041, 128.427

Monochromacy



Original Color
64, 65.045, 117.597

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 26.099, 119.374

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 65.045, 117.597 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, 167, 39)` looks like.

```
.text, #text, p{  
    color:rgb(131, 167, 39)  
}
```

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, 167, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 167, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 65.045, 117.597 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, 167, 39) }
```

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

```
.border{ border-color:rgb(131, 167, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 167, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 167, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 167, 39);  
box-shadow:4px 4px 4px 4px rgb(131, 167,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 65.045, 117.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 167, 39) }
```

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

```
.background{ background-color: rgb(131,  
167, 39) }
```

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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