

Converting Colors

CIELCh(64, 68.263, 120.569)

Have a look what the booklet for
CIELCh(64, 68.263, 120.569)
contains.

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Color

CIELCh(64, 68.161, 120.375)

Conversions

Conversions Part 1

Format	Color
Hex	7BA923
RGB	123, 169, 35
RGB Percent	48%, 66%, 14%
CMY	0.5168, 0.3364, 0.8618
CMYK	0.27, 0.00, 0.79, 0.34
HSL	81°, 66%, 40%
HSV	81°, 79%, 66%
XYZ	22.7317, 32.8017, 6.7427
YIQ	139.9700, 15.5980, -51.4260

Conversions

Conversions Part 2

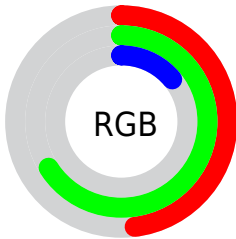
Format	Color
RYB	35, 169, 81
Decimal	8104227
CIELab	64.00, -34.47, 58.80
CIELCh	64, 68.161, 120.375
Yxy	32.8017, 0.3650, 0.5267
Android (android.graphics.Color)	4286294307 (0xFF7BA923)
YUV	139.9700, -51.7502, -14.8827
Hunter-Lab	57.2727, -29.3802, 33.1108

Details

The CIELCh color **64, 68.161, 120.375** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **29, 81.402, 308.854**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 67.794, 120.349**, and **44, 59.408, 124.442** is the 20% darker color. If you saturate the color by 10%, you get **64, 72.831, 120.864**, and if you desaturate by 10%, it is **64, 61.856, 120.285**.

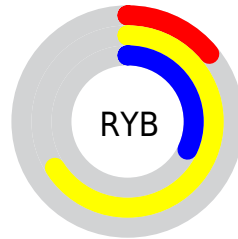
Distribution



Red (48%)

Green (66%)

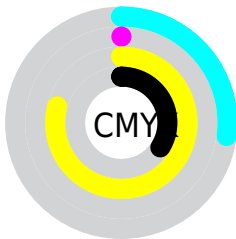
Blue (14%)



Red (14%)

Yellow (66%)

Blue (32%)

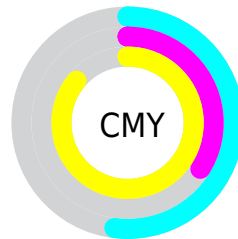


Cyan (27%)

Magenta (0%)

Yellow (79%)

Black (34%)



Cyan (52%)


Magenta (34%)


Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 68.161, 120.375 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, 68.161, 120.375 by changing the saturation by 10% instead.

 64, 68.161,
120.375


 64, 68.161,
120.375


 100, 68.161,
120.375

 54, 68.161,
120.375


 84, 68.161,
120.375

 44, 68.161,
120.375

 94, 68.161,
120.375

 34, 68.161,
120.375

 24, 68.161,
120.375

 14, 68.161,
120.375

 4, 68.161, 120.375

 0, 68.161, 120.375

■ 64, 68.161,
120.375

■ 64, 68.161,
120.375

■ 64, 72.831,
120.864

■ 64, 61.856,
120.285

■ 63, 75.907,
121.737

■ 65, 54.315,
120.477

■ 63, 76.150,
121.809

■ 66, 45.928,
120.851

■ 66, 36.998,
121.330

■ 67, 27.737,
121.859

■ 68, 18.289,
122.406

■ 69, 8.753, 122.950

■ 69, 0.805, 303.394

■ 70, 10.336,
303.952

Harmonies

Complementary

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



64, 68.161, 120.375



29, 81.402, 308.854

Rectangle

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



64, 68.161, 120.375



64, 68.161, 170.375



64, 68.161, 300.375



64, 68.161, 350.375

Sweetspot

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



64, 68.161, 120.376



85, 28.241, 122.118



45, 53.899, 51.183



45, 19.346, 121.931



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, 68.161, 120.376



80, 91.148, 121.539



61, 78.019, 135.009



35, 5.380, 122.944



56, 68.897, 121.639



5, 9.985, 126.253

Inverse Universe

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



29, 81.402, 308.854



32, 112.678, 308.980



38, 78.438, 322.427



33, 5.474, 303.919



19, 85.661, 309.109



1, 9.780, 301.632

Previews

White Background



This preview shows how the CIELCh color 64, 68.161, 120.375 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, 68.161, 120.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

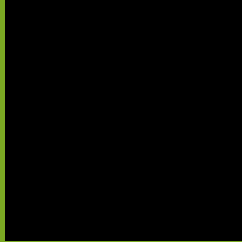
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 68.161, 120.375

Background



This preview shows how black text looks on a background with the CIELCh color 64, 68.161, 120.375.



This preview shows how white text looks on a background with the CIELCh color 64, 68.161, 120.375.

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](#).

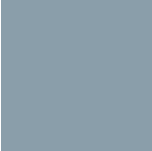
Dichromacy



Original Color
64, 68.161, 120.375

Protanopia
64, 61.316, 95.274

Deuteranopia
64, 57.575, 81.858



Tritanopia
64, 9.658, 243.007

Trichromacy



Original Color
64, 68.161, 120.375

Protanomaly
64, 62.153, 105.164

Deuteranomaly
63, 57.657, 97.909

Tritanomaly
64, 25.507, 134.803

Monochromacy



Original Color
64, 68.161, 120.375

Achromatopsia
58, 0.007, 296.813

Achromatomaly
60, 28.096, 121.838

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 68.161, 120.375 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(123, 169, 35)` looks like.

```
.text, #text, p{  
    color:rgb(123, 169, 35)  
}
```

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(123, 169, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 169, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 68.161, 120.375 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(123, 169, 35) }
```

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

```
.border{ border-color:rgb(123, 169, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 169, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 169, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 169, 35);  
box-shadow:4px 4px 4px 4px rgb(123, 169,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 68.161, 120.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 169, 35) }
```

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

```
.background{ background-color: rgb(123,  
169, 35) }
```

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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