

Converting Colors

CIELCh(65, 68.909, 120.435)

Have a look what the booklet for
CIELCh(65, 68.909, 120.435)
contains.

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Color

CIELCh(65, 69.031, 120.470)

Conversions

Conversions Part 1

Format	Color
Hex	7DAC24
RGB	125, 172, 36
RGB Percent	49%, 67%, 14%
CMY	0.5093, 0.3250, 0.8582
CMYK	0.27, 0.00, 0.79, 0.33
HSL	81°, 65%, 41%
HSV	81°, 79%, 67%
XYZ	23.5706, 34.0472, 7.0098
YIQ	142.4430, 15.6440, -52.2600

Conversions

Conversions Part 2

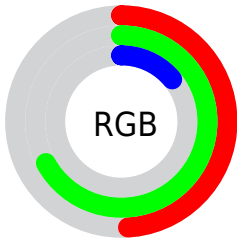
Format	Color
RYB	36, 172, 83
Decimal	8236068
CIELab	65.00, -35.00, 59.50
CIELCh	65, 69.031, 120.470
Yxy	34.0472, 0.3647, 0.5268
Android (android.graphics.Color)	4286426148 (0xFF7DAC24)
YUV	142.4430, -52.4764, -15.2975
Hunter-Lab	58.3500, -30.0071, 33.7222

Details

The CIELCh color **65, 69.031, 120.470** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **30, 82.359, 308.900**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 69.164, 120.638**, and **45, 60.012, 124.194** is the 20% darker color. If you saturate the color by 10%, you get **65, 73.784, 120.959**, and if you desaturate by 10%, it is **65, 62.621, 120.381**.

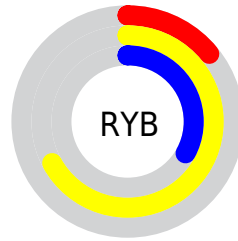
Distribution



Red (49%)

Green (67%)

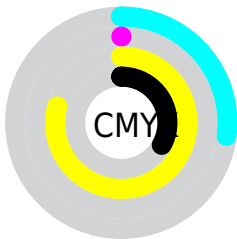
Blue (14%)



Red (14%)

Yellow (67%)

Blue (33%)

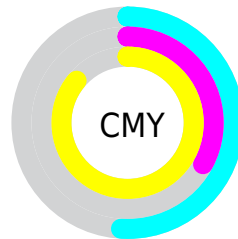


Cyan (27%)

Magenta (0%)

Yellow (79%)

Black (33%)



Cyan (51%)


Magenta (33%)


Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 69.031, 120.470 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 65, 69.031, 120.470 by changing the saturation by 10% instead.


 65, 69.031,
120.470


 65, 69.031,
120.470


 100, 69.031,
120.470


 55, 69.031,
120.470


 85, 69.031,
120.470

 45, 69.031,
120.470

 95, 69.031,
120.470

 35, 69.031,
120.470

 25, 69.031,
120.470

 15, 69.031,
120.470

 5, 69.031, 120.470

 0, 69.031, 120.470

■ 65, 69.031,
120.470

■ 65, 69.031,
120.470

■ 65, 73.784,
120.959

■ 65, 62.621,
120.381

■ 64, 76.892,
121.843

■ 66, 54.959,
120.574

■ 64, 77.184,
121.931

■ 67, 46.443,
120.948

■ 67, 37.378,
121.426

■ 68, 27.979,
121.956

■ 69, 18.392,
122.502

■ 70, 8.717, 123.044

■ 70, 0.978, 303.497

■ 71, 10.645,
304.043

Harmonies

Complementary

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



65, 69.031, 120.470



30, 82.359, 308.900

Rectangle

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



65, 69.031, 120.470



65, 69.031, 170.470



65, 69.031, 300.470



65, 69.031, 350.470

Sweetspot

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



65, 69.031, 120.471



87, 28.785, 122.205



45, 54.532, 51.187



46, 19.723, 122.017



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 69.031, 120.471



82, 92.842, 121.655



62, 78.968, 135.011



36, 5.517, 123.027



57, 69.824, 121.764



6, 11.897, 126.941

Inverse Universe

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



30, 82.359, 308.900



33, 114.663, 309.012



39, 79.396, 322.428



34, 5.613, 304.003



20, 86.717, 309.129



1, 11.587, 301.119

Previews

White Background



This preview shows how the CIELCh color 65, 69.031, 120.470 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 65, 69.031, 120.470 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 65, 69.031, 120.470

Background



This preview shows how black text looks on a background with the CIELCh color 65, 69.031, 120.470.



This preview shows how white text looks on a background with the CIELCh color 65, 69.031, 120.470.

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](#).

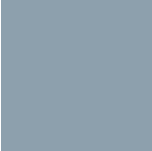
Dichromacy



Original Color
65, 69.031, 120.470

Protanopia
65, 62.396, 95.420

Deuteranopia
65, 58.136, 81.663



Tritanopia
65, 9.772, 246.938

Trichromacy



Original Color
65, 69.031, 120.470

Protanomaly
65, 62.968, 105.553

Deuteranomaly
64, 58.130, 97.530

Tritanomaly
64, 25.449, 134.818

Monochromacy



Original Color
65, 69.031, 120.470

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 28.640, 122.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 69.031, 120.470 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(125, 172, 36)` looks like.

```
.text, #text, p{  
    color:rgb(125, 172, 36)  
}
```

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(125, 172, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 172, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 69.031, 120.470 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(125, 172, 36) }
```

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

```
.border{ border-color:rgb(125, 172, 36) }
```

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

Here you see how a box with a 4 pixel rgb(125, 172, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 172, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 172, 36);  
box-shadow:4px 4px 4px 4px rgb(125, 172,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 69.031, 120.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 172, 36) }
```

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

```
.background{ background-color: rgb(125,  
172, 36) }
```

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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