

Converting Colors

CIELCh(65, 79.238, 123.499)

Have a look what the booklet for
CIELCh(65, 79.238, 123.499)
contains.

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Color

CIELCh(65, 78.949, 123.328)

Conversions

Conversions Part 1

Format	Color
Hex	6DAF01
RGB	109, 175, 1
RGB Percent	43%, 69%, 0%
CMY	0.5714, 0.3126, 0.9972
CMYK	0.38, 0.00, 1.00, 0.31
HSL	83°, 99%, 35%
HSV	83°, 100%, 69%
XYZ	21.7357, 34.0472, 5.4463
YIQ	135.4300, 16.5180, -68.1060

Conversions

Conversions Part 2

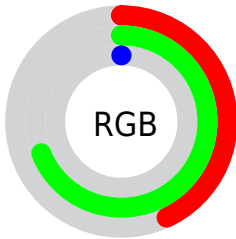
Format	Color
RYB	1, 175, 67
Decimal	7188225
CIELab	65.00, -43.38, 65.96
CIELCh	65, 78.949, 123.328
Yxy	34.0472, 0.3550, 0.5561
Android (android.graphics.Color)	4285378305 (0xFF6DAF01)
YUV	135.4300, -66.2740, -23.1791
Hunter-Lab	58.3500, -35.6200, 35.3110

Details

The CIELCh color **65, 78.949, 123.328** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **25, 96.383, 309.530**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 78.968, 123.344**, and **45, 64.449, 129.935** is the 20% darker color. If you saturate the color by 10%, you get **65, 79.072, 123.367**, and if you desaturate by 10%, it is **65, 75.776, 122.392**.

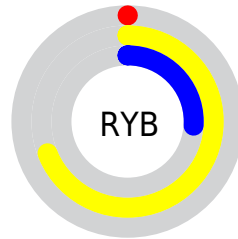
Distribution



Red (43%)

Green (69%)

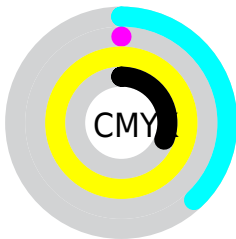
Blue (0%)



Red (0%)

Yellow (69%)

Blue (26%)

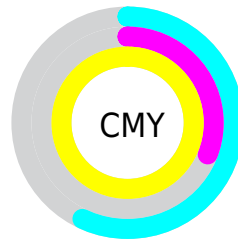


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (57%)


Magenta (31%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 78.949, 123.328 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, 78.949, 123.328 by changing the saturation by 10% instead.

 65, 78.949,
123.328


 65, 78.949,
123.328


 100, 78.949,
123.328


 55, 78.949,
123.328


 85, 78.949,
123.328

 45, 78.949,
123.328

 95, 78.949,
123.328

 35, 78.949,
123.328

 25, 78.949,
123.328

 15, 78.949,
123.328

 5, 78.949, 123.328

 0, 78.949, 123.328

■ 65, 78.949,
123.328

■ 65, 78.949,
123.328

■ 65, 79.072,
123.367

■ 65, 75.776,
122.392

■ 66, 70.982,
121.842

■ 66, 64.484,
121.706

■ 67, 56.692,
121.865

■ 67, 48.010,
122.214

■ 68, 38.758,
122.671

■ 69, 29.159,
123.180

■ 70, 19.367,

123.706

■ 71, 9.485, 124.228

Harmonies

Complementary

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



65, 78.949, 123.328



25, 96.383, 309.530

Rectangle

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



65, 78.949, 123.328



65, 78.949, 173.328



65, 78.949, 303.328



65, 78.949, 353.328

Sweetspot

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



65, 78.949, 123.329



87, 36.454, 123.132



43, 68.464, 51.213



46, 25.011, 122.919



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



65, 78.949, 123.329



82, 96.108, 123.641



62, 89.421, 135.293



36, 5.549, 124.243



56, 70.549, 123.172



6, 11.979, 128.141

Inverse Universe

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



25, 96.383, 309.530



33, 117.396, 309.349



37, 88.039, 323.139



34, 5.642, 305.169



20, 86.180, 309.653



1, 11.631, 302.112

Previews

White Background



This preview shows how the CIELCh color 65, 78.949, 123.328 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, 78.949, 123.328 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, 78.949, 123.328

Background



This preview shows how black text looks on a background with the CIELCh color 65, 78.949, 123.328.



This preview shows how white text looks on a background with the CIELCh color 65, 78.949, 123.328.

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, 78.832, 123.368

Protanopia
65, 68.130, 95.035

Deuteranopia
65, 62.715, 82.298



Tritanopia
65, 13.867, 230.145

Trichromacy



Original Color
65, 78.832, 123.368

Protanomaly
64, 69.922, 107.309

Deuteranomaly
64, 64.693, 100.358

Tritanomaly
64, 35.365, 138.069

Monochromacy



Original Color
65, 78.832, 123.368

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 36.168, 122.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 78.949, 123.328 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(109, 175, 1)` looks like.

```
.text, #text, p{  
    color:rgb(109, 175, 1)  
}
```

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(109, 175, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 175, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 78.949, 123.328 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(109, 175, 1) }
```

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

```
.border{ border-color:rgb(109, 175, 1) }
```

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

Here you see how a box with a 4 pixel rgb(109, 175, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 175, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 175, 1);  
box-shadow:4px 4px 4px 4px rgb(109, 175,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 78.949, 123.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 175, 1) }
```

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

```
.background{ background-color: rgb(109,  
175, 1) }
```

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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