

Converting Colors

CIE LCh(65, 52.202, 120.128)

Have a look what the booklet for
CIELCh(65, 52.202, 120.128)
contains.

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Color

CIELCh(65, 52.229, 120.139)

Conversions

Conversions Part 1

Format	Color
Hex	89A949
RGB	137, 169, 73
RGB Percent	54%, 66%, 29%
CMY	0.4638, 0.3383, 0.7147
CMYK	0.19, 0.00, 0.57, 0.34
HSL	80°, 40%, 47%
HSV	80°, 57%, 66%
XYZ	25.6028, 34.0472, 11.4812
YIQ	148.4880, 11.7440, -36.6400

Conversions

Conversions Part 2

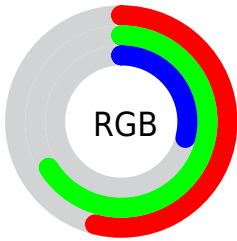
Format	Color
RYB	73, 169, 105
Decimal	9021769
CIELab	65.00, -26.22, 45.17
CIELCh	65, 52.229, 120.139
Yxy	34.0472, 0.3599, 0.4787
Android (android.graphics.Color)	4287211849 (0xFF89A949)
YUV	148.4880, -37.2156, -10.0750
Hunter-Lab	58.3500, -23.7901, 29.1788

Details

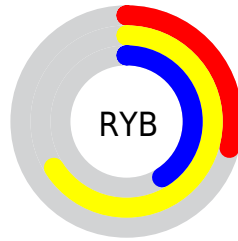
The CIELCh color **65, 52.229, 120.139** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **39, 58.941, 307.085**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 51.926, 120.221**, and **45, 52.496, 120.269** is the 20% darker color. If you saturate the color by 10%, you get **64, 59.953, 119.892**, and if you desaturate by 10%, it is **66, 43.739, 120.550**.

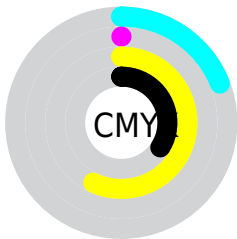
Distribution



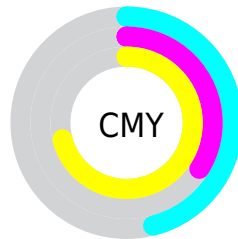
- Red (54%)
- Green (66%)
- Blue (29%)



- Red (29%)
- Yellow (66%)
- Blue (41%)



- Cyan (19%)
- Magenta (0%)
- Yellow (57%)
- Black (34%)





- Cyan (46%)
- Magenta (34%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 52.229, 120.139 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, 52.229, 120.139 by changing the saturation by 10% instead.


 65, 52.229,
120.139


 65, 52.229,
120.139


 100, 52.229,
120.139


 55, 52.229,
120.139


 85, 52.229,
120.139

 45, 52.229,
120.139

 95, 52.229,
120.139

 35, 52.229,
120.139

 25, 52.229,
120.139

 15, 52.229,
120.139

 5, 52.229, 120.139

 0, 52.229, 120.139

65, 52.229,
120.139

65, 52.229,
120.139

64, 59.953,
119.892

66, 43.739,
120.550

64, 66.537,
119.900

66, 34.761,
121.051

64, 71.571,
120.277

67, 25.489,
121.594

63, 74.858,
121.084

68, 16.054,
122.148

63, 75.750,
121.353

69, 6.547, 122.697

69, 2.970, 303.194

70, 12.455,
303.702

71, 21.876,
304.167

■ 72, 31.209,
304.597

Harmonies

Complementary

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



65, 52.229, 120.139



39, 58.941, 307.085

Rectangle

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



65, 52.229, 120.139



65, 52.229, 170.139



65, 52.229, 300.139



65, 52.229, 350.139

Sweetspot

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



65, 52.230, 120.141



86, 20.004, 122.125



51, 36.279, 52.063



45, 13.355, 122.020



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



65, 52.230, 120.141



82, 74.908, 119.867



62, 60.009, 136.284



35, 5.371, 122.566



56, 68.683, 121.190



5, 9.965, 125.879

Inverse Universe

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



39, 58.941, 307.085



44, 87.412, 308.045



45, 60.852, 322.142



33, 5.466, 303.558



19, 85.819, 308.959



1, 9.768, 301.309

Previews

White Background



This preview shows how the CIELCh color 65, 52.229, 120.139 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 CIE LCh color 65, 52.229, 120.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

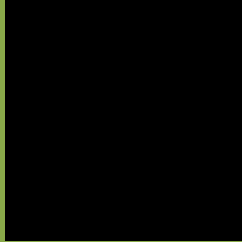
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 52.229, 120.139

Background



This preview shows how black text looks on a background with the CIELCh color 65, 52.229, 120.139.

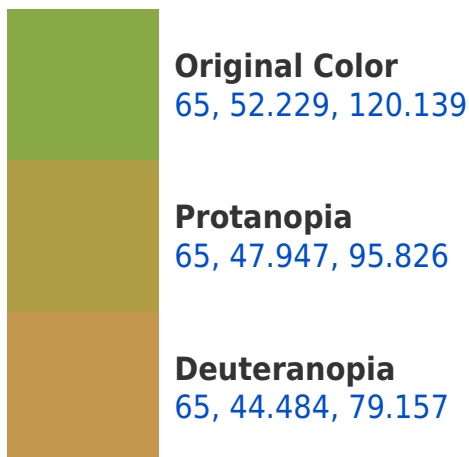


This preview shows how white text looks on a background with the CIELCh color 65, 52.229, 120.139.

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





Tritanopia
65, 7.870, 266.353

Trichromacy



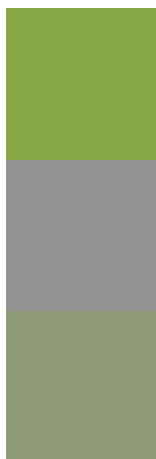
Original Color
65, 52.229, 120.139

Protanomaly
65, 48.535, 105.489

Deuteranomaly
65, 44.107, 96.062

Tritanomaly
65, 16.413, 132.760

Monochromacy



Original Color
65, 52.229, 120.139

Achromatopsia
61, 0.008, 296.813

Achromatomaly
63, 20.019, 122.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 52.229, 120.139 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(137, 169, 73)` looks like.

```
.text, #text, p{  
    color:rgb(137, 169, 73)  
}
```

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(137, 169, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 169, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 52.229, 120.139 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(137, 169, 73) }
```

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

```
.border{ border-color:rgb(137, 169, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 169, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 169, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 169, 73);  
box-shadow:4px 4px 4px 4px rgb(137, 169,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 52.229, 120.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 169, 73) }
```

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

```
.background{ background-color: rgb(137,  
169, 73) }
```

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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