

Converting Colors

CIELCh(49, 66.132, 126.448)

Have a look what the booklet for
CIELCh(49, 66.132, 126.448)
contains.

CIELCh(49, 65.678, 126.657)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 65.678, 126.657)

Conversions

Conversions Part 1

Format	Color
Hex	458301
RGB	69, 131, 1
RGB Percent	27%, 51%, 0%
CMY	0.7281, 0.4851, 0.9980
CMYK	0.47, 0.00, 1.00, 0.49
HSL	88°, 99%, 26%
HSV	88°, 100%, 51%
XYZ	10.6382, 17.5941, 2.8497
YIQ	97.6420, 4.7780, -53.5740

Conversions

Conversions Part 2

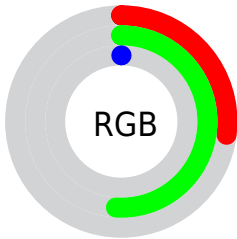
Format	Color
R_{YB}	1, 131, 63
Decimal	4555521
CIE _{Lab}	49.00, -39.21, 52.69
CIE _{LCh}	49, 65.678, 126.657
Yxy	17.5941, 0.3423, 0.5661
Android (android.graphics.Color)	4282745601 (0xFF458301)
YUV	97.6420, -47.6445, -25.1190
Hunter-Lab	41.9453, -28.1328, 25.3336

Details

The CIELCh color **49, 65.678, 126.657** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **19, 76.247, 311.642**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 65.518, 126.796**, and **29, 51.630, 135.357** is the 20% darker color. If you saturate the color by 10%, you get **49, 65.806, 126.682**, and if you desaturate by 10%, it is **49, 62.402, 125.934**.

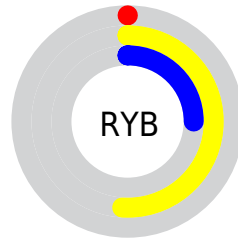
Distribution



Red (27%)

Green (51%)

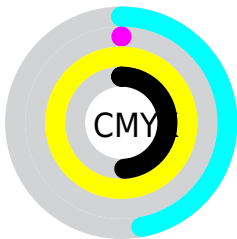
Blue (0%)



Red (0%)

Yellow (51%)

Blue (25%)

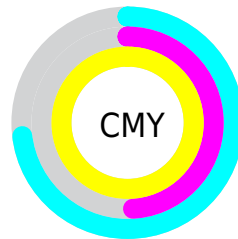


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (73%)


Magenta (49%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 65.678, 126.657 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 49, 65.678, 126.657 by changing the saturation by 10% instead.


 49, 65.678,
126.657


 49, 65.678,
126.657


 100, 65.678,
126.657


 39, 65.678,
126.657

 69, 65.678,
126.657


 29, 65.678,
126.657

 79, 65.678,
126.657

 19, 65.678,
126.657

 89, 65.678,
126.657

 9, 65.678, 126.657

 99, 65.678,
126.657

 0, 65.678, 126.657

 49, 65.678,

 49, 65.678,

126.657

126.657

■ 49, 65.806,
126.682

■ 49, 62.402,
125.934

■ 50, 58.098,
125.470

■ 50, 52.538,
125.386

■ 51, 46.040,
125.565

■ 51, 38.901,
125.907

■ 52, 31.352,
126.338

■ 53, 23.558,
126.805

■ 53, 15.632,
127.280

Harmonies

Complementary

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



49, 65.678, 126.657



19, 76.247, 311.642

Rectangle

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



49, 65.678, 126.657



49, 65.678, 176.657



49, 65.678, 306.657



49, 65.678, 356.657

Sweetspot

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



49, 65.678, 126.658



67, 29.583, 126.754



34, 52.285, 59.138



35, 20.309, 126.584



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 65.678, 126.658



63, 80.052, 127.058



47, 72.871, 135.832



28, 4.527, 127.765



49, 65.339, 126.666



1, 1.086, 128.150

Inverse Universe

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



19, 76.247, 311.642



26, 92.893, 311.384



30, 70.631, 326.956



26, 4.589, 308.543



18, 75.896, 311.651



0, 1.086, 308.148

Previews

White Background



This preview shows how the CIELCh color 49, 65.678, 126.657 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 49, 65.678, 126.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

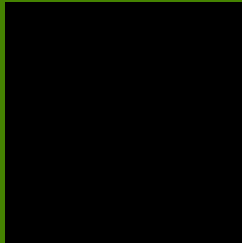
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 65.678, 126.657

Background



This preview shows how black text looks on a background with the CIELCh color 49, 65.678, 126.657.



This preview shows how white text looks on a background with the CIELCh color 49, 65.678, 126.657.

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


49, 65.503, 126.739

Protanopia

49, 54.701, 95.139

Deuteranopia

49, 48.624, 82.542



Tritanopia
49, 13.839, 223.514

Trichromacy



Original Color
49, 65.503, 126.739

Protanomaly
48, 56.583, 109.130

Deuteranomaly
48, 51.153, 103.317

Tritanomaly
48, 30.202, 144.357

Monochromacy



Original Color
49, 65.503, 126.739

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 29.148, 126.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 65.678, 126.657 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(69, 131, 1)` looks like.

```
.text, #text, p{  
    color:rgb(69, 131, 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(69, 131, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 131, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 65.678, 126.657 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(69, 131, 1) }
```

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

```
.border{ border-color:rgb(69, 131, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 131, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 131, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 131, 1);  
box-shadow:4px 4px 4px 4px rgb(69, 131, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 49, 65.678, 126.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 131, 1) }
```

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

```
.background{ background-color: rgb(69, 131,  
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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