

Converting Colors

CIELCh(72, 49.222, 128.986)

Have a look what the booklet for
CIELCh(72, 49.222, 128.986)
contains.

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Color

CIELCh(72, 49.259, 128.991)

Conversions

Conversions Part 1

Format	Color
Hex	8EBE68
RGB	142, 190, 104
RGB Percent	56%, 75%, 41%
CMY	0.4426, 0.2543, 0.5916
CMYK	0.25, 0.00, 0.45, 0.25
HSL	93°, 40%, 58%
HSV	93°, 45%, 75%
XYZ	32.1330, 43.6590, 19.8675
YIQ	165.8440, -1.0020, -36.9220

Conversions

Conversions Part 2

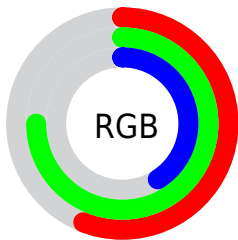
Format	Color
RYB	104, 190, 152
Decimal	9354856
CIELab	72.00, -30.99, 38.29
CIELCh	72, 49.259, 128.991
Yxy	43.6590, 0.3359, 0.4564
Android (android.graphics.Color)	4287544936 (0xFF8EBE68)
YUV	165.8440, -30.4891, -20.9112
Hunter-Lab	66.0750, -28.8247, 28.4251

Details

The CIELCh color $72, 49.259, 128.991$ is a dark color, and the websafe version is hex $99CC66$. A complement of this color would be $52, 52.094, 313.169$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $92, 49.356, 129.288$, and $52, 49.205, 128.963$ is the 20% darker color. If you saturate the color by 10%, you get $71, 59.366, 128.584$, and if you desaturate by 10%, it is $73, 38.657, 129.462$.

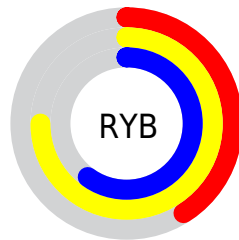
Distribution



Red (56%)

Green (75%)

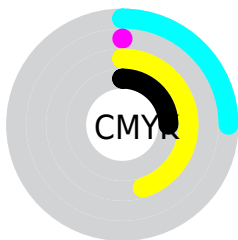
Blue (41%)



Red (41%)

Yellow (75%)

Blue (60%)

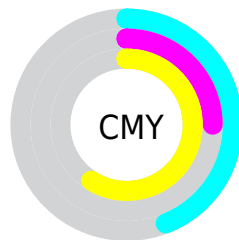


Cyan (25%)

Magenta (0%)

Yellow (45%)

Black (25%)



Cyan (44%)


Magenta (25%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 49.259, 128.991 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 72, 49.259, 128.991 by changing the saturation by 10% instead.


 72, 49.259,
128.991


 72, 49.259,
128.991


 100, 49.259,
128.991


 62, 49.259,
128.991


 92, 49.259,
128.991

 52, 49.259,
128.991

 42, 49.259,
128.991

 32, 49.259,
128.991

 22, 49.259,
128.991

 12, 49.259,
128.991

 2, 49.259, 128.991

■ 0, 49.259, 128.991

■ 72, 49.259,
128.991

■ 72, 49.259,
128.991

■ 71, 59.366,
128.584

■ 73, 38.657,
129.462

■ 70, 68.666,
128.311

■ 74, 27.775,
129.948

■ 70, 76.748,
128.279

■ 75, 16.768,
130.421

■ 69, 83.143,
128.616

■ 76, 5.742, 130.879

■ 69, 87.504,
129.421

■ 78, 5.226, 311.237

■ 69, 89.131,
129.869

■ 79, 16.083,
311.622

■ 81, 26.790,

311.955

■ 82, 36.699,
312.591

■ 83, 37.973,
317.862

Harmonies

Complementary

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



72, 49.259, 128.991



52, 52.094, 313.169

Rectangle

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



72, 49.259, 128.991



72, 49.259, 178.991



72, 49.259, 308.991



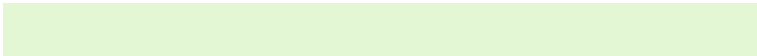
72, 49.259, 358.991

Sweetspot

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



72, 49.260, 128.992



95, 19.076, 130.468



65, 31.467, 74.737



51, 13.281, 130.367



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 49.260, 128.992



90, 71.903, 128.597



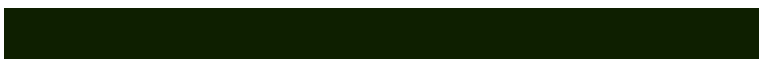
70, 54.381, 142.203



39, 6.191, 130.691



58, 77.567, 129.647



9, 19.449, 134.847

Inverse Universe

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



52, 52.094, 313.169



61, 77.008, 313.592



57, 54.175, 328.286



37, 6.265, 311.457



25, 86.117, 313.434



2, 18.268, 307.045

Previews

White Background



This preview shows how the CIELCh color 72, 49.259, 128.991 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 72, 49.259, 128.991 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 72, 49.259, 128.991

Background



This preview shows how black text looks on a background with the CIELCh color 72, 49.259, 128.991.



This preview shows how white text looks on a background with the CIELCh color 72, 49.259, 128.991.

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
72, 49.259, 128.991

Protanopia
72, 41.617, 95.877

Deuteranopia
72, 37.798, 75.840



Tritanopia
72, 11.144, 242.283

Trichromacy



Original Color
72, 49.259, 128.991

Protanomaly
72, 42.308, 109.446

Deuteranomaly
71, 37.160, 99.201

Tritanomaly
72, 17.684, 153.101

Monochromacy



Original Color
72, 49.259, 128.991

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 18.336, 131.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 49.259, 128.991 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(142, 190, 104)` looks like.

```
.text, #text, p{  
    color:rgb(142, 190, 104)  
}
```

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(142, 190, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 190, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 49.259, 128.991 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(142, 190, 104) }
```

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

```
.border{ border-color:rgb(142, 190, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 190, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 190, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 190, 104);  
box-shadow:4px 4px 4px 4px rgb(142, 190,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 49.259, 128.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 190, 104) }
```

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

```
.background{ background-color: rgb(142,  
190, 104) }
```

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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