

Converting Colors

CIELCh(68, 68.993, 118.719)

Have a look what the booklet for
CIELCh(68, 68.993, 118.719)
contains.

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Color

CIELCh(68, 68.624, 118.498)

Conversions

Conversions Part 1

Format	Color
Hex	8AB32B
RGB	138, 179, 43
RGB Percent	54%, 70%, 17%
CMY	0.4576, 0.2968, 0.8300
CMYK	0.23, 0.00, 0.76, 0.30
HSL	78°, 61%, 44%
HSV	78°, 76%, 70%
XYZ	27.1587, 37.9720, 8.2172
YIQ	151.2370, 19.2200, -50.9880

Conversions

Conversions Part 2

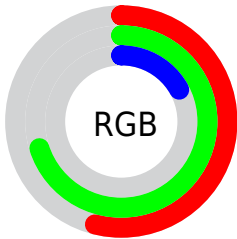
Format	Color
RYB	43, 179, 84
Decimal	9089835
CIELab	68.00, -32.74, 60.31
CIELCh	68, 68.624, 118.498
Yxy	37.9720, 0.3703, 0.5177
Android (android.graphics.Color)	4287279915 (0xFF8AB32B)
YUV	151.2370, -53.3608, -11.6088
Hunter-Lab	61.6215, -29.1665, 35.2287

Details

The CIELCh color **68, 68.624, 118.498** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **32, 82.463, 307.800**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 68.667, 118.409**, and **48, 61.198, 121.315** is the 20% darker color. If you saturate the color by 10%, you get **68, 73.942, 118.809**, and if you desaturate by 10%, it is **68, 61.692, 118.544**.

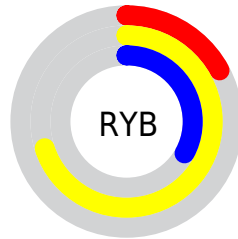
Distribution



Red (54%)

Green (70%)

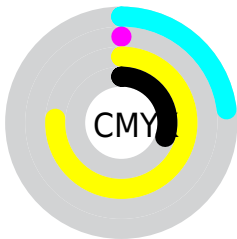
Blue (17%)



Red (17%)

Yellow (70%)

Blue (33%)

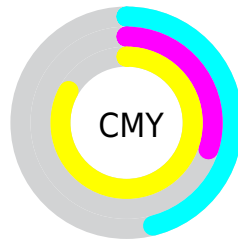


Cyan (23%)

Magenta (0%)

Yellow (76%)

Black (30%)



Cyan (46%)

Magenta (30%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 68.624, 118.498 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 68, 68.624, 118.498 by changing the saturation by 10% instead.

 68, 68.624,
118.498

 68, 68.624,
118.498

 100, 68.624,
118.498

 58, 68.624,
118.498

 88, 68.624,
118.498

 48, 68.624,
118.498

 98, 68.624,
118.498

 38, 68.624,
118.498

 28, 68.624,
118.498

 18, 68.624,
118.498

 8, 68.624, 118.498

 0, 68.624, 118.498

■ 68, 68.624,
118.498

■ 68, 68.624,
118.498

■ 68, 73.942,
118.809

■ 68, 61.692,
118.544

■ 67, 77.354,
119.557

■ 69, 53.581,
118.835

■ 67, 78.496,
119.922

■ 70, 44.683,
119.280

■ 70, 35.285,
119.812

■ 71, 25.588,
120.384

■ 72, 15.724,
120.966

■ 73, 5.786, 121.543

■ 73, 4.165, 302.075

■ 74, 14.085,
302.605

Harmonies

Complementary

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



68, 68.624, 118.498



32, 82.463, 307.800

Rectangle

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



68, 68.624, 118.498



68, 68.624, 168.498



68, 68.624, 298.498



68, 68.624, 348.498

Sweetspot

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



68, 68.624, 118.500



90, 28.133, 120.525



47, 54.560, 48.748



48, 19.600, 120.317



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 68.624, 118.500



85, 92.701, 119.262



65, 78.754, 134.487



37, 5.610, 121.342



58, 69.747, 119.742



8, 13.869, 125.683

Inverse Universe

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



32, 82.463, 307.800



35, 116.163, 308.394



41, 79.967, 321.368



35, 5.714, 302.400



20, 88.508, 308.480



1, 13.515, 299.253

Previews

White Background



This preview shows how the CIELCh color 68, 68.624, 118.498 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 68, 68.624, 118.498 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 68, 68.624, 118.498

Background



This preview shows how black text looks on a background with the CIELCh color 68, 68.624, 118.498.



This preview shows how white text looks on a background with the CIELCh color 68, 68.624, 118.498.

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](#).

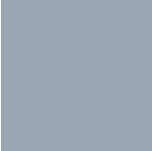
Dichromacy



Original Color
68, 68.624, 118.498

Protanopia
68, 62.944, 95.340

Deuteranopia
68, 59.212, 81.519



Tritanopia
68, 8.641, 255.416

Trichromacy



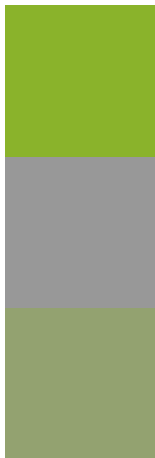
Original Color
68, 68.624, 118.498

Protanomaly
68, 63.717, 104.446

Deuteranomaly
67, 59.237, 96.509

Tritanomaly
67, 24.228, 130.114

Monochromacy



Original Color
68, 68.624, 118.498

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 28.078, 120.044

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 68.624, 118.498 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(138, 179, 43)` looks like.

```
.text, #text, p{  
    color:rgb(138, 179, 43)  
}
```

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(138, 179, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 179, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 68.624, 118.498 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(138, 179, 43) }
```

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

```
.border{ border-color:rgb(138, 179, 43) }
```

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

Here you see how a box with a 4 pixel rgb(138, 179, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 179, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 179, 43);  
box-shadow:4px 4px 4px 4px rgb(138, 179,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 68.624, 118.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 179, 43) }
```

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

```
.background{ background-color: rgb(138,  
179, 43) }
```

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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