

Converting Colors

CIELCh(68, 54.648, 104.561)

Have a look what the booklet for
CIELCh(68, 54.648, 104.561)
contains.

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Color

CIELCh(68, 54.632, 104.546)

Conversions

Conversions Part 1

Format	Color
Hex	ABAB41
RGB	171, 171, 65
RGB Percent	67%, 67%, 25%
CMY	0.3310, 0.3309, 0.7465
CMYK	0.00, 0.00, 0.62, 0.33
HSL	60°, 45%, 46%
HSV	60°, 62%, 67%
XYZ	32.1416, 37.9720, 10.5798
YIQ	158.9160, 34.0260, -32.9660

Conversions

Conversions Part 2

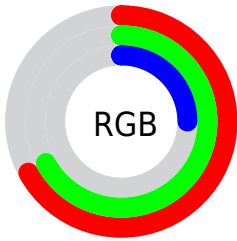
Format	Color
RYB	65, 171, 65
Decimal	11250497
CIELab	68.00, -13.72, 52.88
CIELCh	68, 54.632, 104.546
Yxy	37.9720, 0.3983, 0.4706
Android (android.graphics.Color)	4289440577 (0xFFABAB41)
YUV	158.9160, -46.3006, 10.5977
Hunter-Lab	61.6215, -14.7324, 32.9555

Details

The CIELCh color **68, 54.632, 104.546** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **34, 65.702, 299.887**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 54.366, 104.315**, and **48, 54.571, 104.449** is the 20% darker color. If you saturate the color by 10%, you get **68, 61.350, 103.875**, and if you desaturate by 10%, it is **68, 46.885, 105.340**.

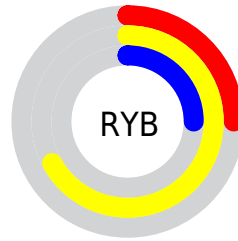
Distribution



Red (67%)

Green (67%)

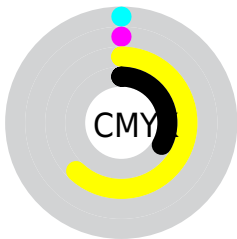
Blue (25%)



Red (25%)

Yellow (67%)

Blue (25%)

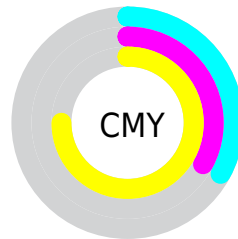


Cyan (0%)

Magenta (0%)

Yellow (62%)

Black (33%)



Cyan (33%)

Magenta (33%)


Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 54.632, 104.546 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, 54.632, 104.546 by changing the saturation by 10% instead.

 68, 54.632,
104.546

 68, 54.632,
104.546

 100, 54.632,
104.546


 58, 54.632,
104.546


 88, 54.632,
104.546

 48, 54.632,
104.546

 98, 54.632,
104.546

 38, 54.632,
104.546

 28, 54.632,
104.546

 18, 54.632,
104.546

 8, 54.632, 104.546

 0, 54.632, 104.546

■ 68, 54.632,
104.546

■ 68, 54.632,
104.546

■ 68, 61.350,
103.875

■ 68, 46.885,
105.340

■ 68, 66.610,
103.357

■ 68, 38.463,
106.211

■ 68, 70.037,
103.026

■ 69, 29.618,
107.133

■ 68, 71.715,
102.866

■ 69, 20.520,
108.081

■ 69, 11.281,
109.035

■ 70, 1.971, 109.959

■ 70, 7.364, 290.925

■ 71, 16.692,
291.823

■ 71, 25.991,
292.690

Harmonies

Complementary

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



68, 54.632, 104.546



34, 65.702, 299.887

Rectangle

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



68, 54.632, 104.546



68, 54.632, 154.546



68, 54.632, 284.546



68, 54.632, 334.546

Sweetspot

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



68, 54.633, 104.548



87, 21.847, 108.347



42, 49.178, 27.830



47, 15.139, 108.081



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



68, 54.633, 104.548



86, 77.570, 103.635



64, 59.386, 126.405



36, 5.211, 109.304



59, 64.564, 102.866



6, 9.557, 110.189

Inverse Universe

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



34, 65.702, 299.887



36, 99.278, 302.948



39, 65.141, 312.137



32, 5.324, 291.131



16, 89.149, 306.288



0, 9.559, 290.185

Previews

White Background



This preview shows how the CIELCh color 68, 54.632, 104.546 looks on a white background.

Color Contrast Check

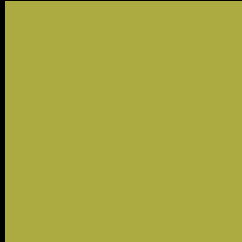
Large Text (above 18pt) WCAG AA × Fail

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 68, 54.632, 104.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

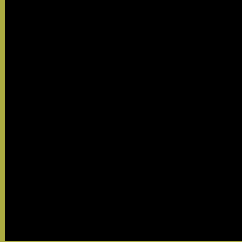
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 54.632, 104.546

Background



This preview shows how black text looks on a background with the CIELCh color 68, 54.632, 104.546.



This preview shows how white text looks on a background with the CIELCh color 68, 54.632, 104.546.

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, 54.632, 104.546

Protanopia
68, 54.190, 95.481

Deuteranopia
68, 52.467, 79.978



Tritanopia
68, 10.372, 340.861

Trichromacy



Original Color
68, 54.632, 104.546

Protanomaly
68, 54.124, 98.866

Deuteranomaly
68, 52.126, 89.247

Tritanomaly
68, 17.819, 90.964

Monochromacy



Original Color
68, 54.632, 104.546

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 20.824, 107.966

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 54.632, 104.546 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(171, 171, 65)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 65)  
}
```

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(171, 171, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 54.632, 104.546 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(171, 171, 65) }
```

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

```
.border{ border-color:rgb(171, 171, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 65);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 54.632, 104.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 65) }
```

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

```
.background{ background-color: rgb(171,  
171, 65) }
```

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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