

Converting Colors

CIELCh(70, 54.463, 103.352)

Have a look what the booklet for
CIELCh(70, 54.463, 103.352)
contains.

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Color

CIELCh(70, 54.177, 103.289)

Conversions

Conversions Part 1

Format	Color
Hex	B2AF46
RGB	178, 175, 70
RGB Percent	70%, 69%, 27%
CMY	0.3005, 0.3123, 0.7242
CMYK	0.00, 0.02, 0.61, 0.30
HSL	58°, 43%, 49%
HSV	58°, 61%, 70%
XYZ	34.9573, 40.7494, 11.8729
YIQ	163.9270, 35.4930, -32.0190

Conversions

Conversions Part 2

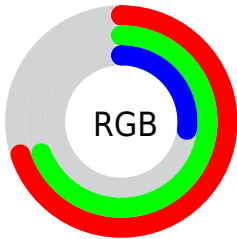
Format	Color
RYB	73, 178, 70
Decimal	11710278
CIELab	70.00, -12.45, 52.73
CIELCh	70, 54.177, 103.289
Yxy	40.7494, 0.3991, 0.4653
Android (android.graphics.Color)	4289900358 (0xFFB2AF46)
YUV	163.9270, -46.3060, 12.3420
Hunter-Lab	63.8353, -13.9621, 33.6572

Details

The CIELCh color **70, 54.177, 103.289** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **37, 64.301, 298.645**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 53.838, 103.102**, and **50, 54.160, 103.644** is the 20% darker color. If you saturate the color by 10%, you get **70, 61.224, 102.523**, and if you desaturate by 10%, it is **70, 46.157, 104.157**.

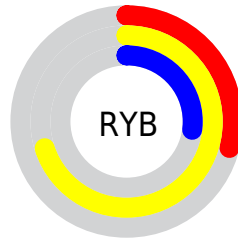
Distribution



Red (70%)

Green (69%)

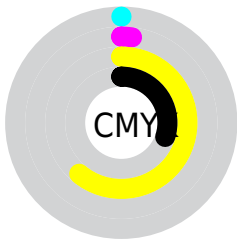
Blue (27%)



Red (29%)

Yellow (70%)

Blue (27%)

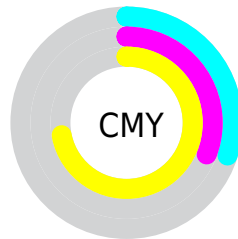


Cyan (0%)

Magenta (2%)

Yellow (61%)

Black (30%)



Cyan (30%)


Magenta (31%)


Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 54.177, 103.289 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 70, 54.177, 103.289 by changing the saturation by 10% instead.


 70, 54.177,
103.289

 70, 54.177,
103.289


 100, 54.177,
103.289


 60, 54.177,
103.289

 90, 54.177,
103.289

 50, 54.177,
103.289

 40, 54.177,
103.289

 30, 54.177,
103.289

 20, 54.177,
103.289

 10, 54.177,
103.289

 0, 54.177, 103.289

■ 70, 54.177,
103.289

■ 70, 54.177,
103.289

■ 70, 61.224,
102.523

■ 70, 46.157,
104.157

■ 69, 66.845,
101.885

■ 71, 37.516,
105.086

■ 69, 70.602,
101.404

■ 71, 28.499,
106.053

■ 69, 72.602,
101.075

■ 72, 19.266,
107.036

■ 72, 9.919, 108.016

■ 73, 0.523, 108.862

■ 73, 8.881, 289.949

■ 74, 18.265,
290.861

■ 75, 27.610,
291.740

Harmonies

Complementary

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



70, 54.177, 103.289



37, 64.301, 298.645

Rectangle

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



70, 54.177, 103.289



70, 54.177, 153.289



70, 54.177, 283.289



70, 54.177, 333.289

Sweetspot

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



70, 54.178, 103.292



91, 20.900, 107.258



45, 48.892, 25.152



49, 14.627, 106.974



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 54.178, 103.292



88, 77.304, 102.270



67, 59.655, 125.237



38, 5.321, 108.137



60, 64.853, 101.097



8, 12.745, 108.412

Inverse Universe

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



37, 64.301, 298.645



39, 97.554, 301.764



41, 65.854, 311.115



35, 5.431, 290.020



17, 89.999, 305.866



1, 13.029, 289.311

Previews

White Background



This preview shows how the CIELCh color 70, 54.177, 103.289 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 70, 54.177, 103.289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

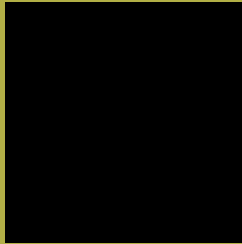
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 54.177, 103.289

Background



This preview shows how black text looks on a background with the CIELCh color 70, 54.177, 103.289.



This preview shows how white text looks on a background with the CIELCh color 70, 54.177, 103.289.

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

70, 54.177, 103.289

Protanopia

70, 53.769, 95.171

Deuteranopia

70, 52.661, 80.406



Tritanopia
70, 11.546, 342.471

Trichromacy



Original Color
70, 54.177, 103.289

Protanomaly
70, 54.114, 98.557

Deuteranomaly
70, 51.835, 88.432

Tritanomaly
69, 17.648, 86.764

Monochromacy



Original Color
70, 54.177, 103.289

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 20.716, 106.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 54.177, 103.289 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(178, 175, 70)` looks like.

```
.text, #text, p{  
    color:rgb(178, 175, 70)  
}
```

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(178, 175, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 175, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 54.177, 103.289 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(178, 175, 70) }
```

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

```
.border{ border-color:rgb(178, 175, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 175, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 175, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 175, 70);  
box-shadow:4px 4px 4px 4px rgb(178, 175,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 54.177, 103.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 175, 70) }
```

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

```
.background{ background-color: rgb(178,  
175, 70) }
```

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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