

Converting Colors

CIELCh(78, 54.582, 104.642)

Have a look what the booklet for
CIELCh(78, 54.582, 104.642)
contains.

CIELCh(78, 54.614, 104.675)	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(78, 54.614, 104.675)

Conversions

Conversions Part 1

Format	Color
Hex	C7C65B
RGB	199, 198, 91
RGB Percent	78%, 78%, 36%
CMY	0.2201, 0.2240, 0.6436
CMYK	0.00, 0.00, 0.54, 0.22
HSL	59°, 49%, 57%
HSV	59°, 54%, 78%
XYZ	45.5701, 53.2120, 17.7408
YIQ	186.1010, 34.9430, -33.0650

Conversions

Conversions Part 2

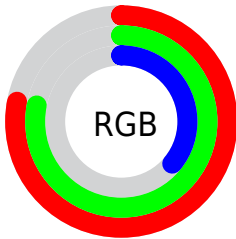
Format	Color
R_{YB}	92, 199, 91
Decimal	13092443
CIE _{Lab}	78.00, -13.84, 52.83
CIE _{LCh}	78, 54.614, 104.675
Yxy	53.2120, 0.3911, 0.4567
Android (android.graphics.Color)	4291282523 (0xFFC7C65B)
YUV	186.1010, -46.8848, 11.3124
Hunter-Lab	72.9466, -16.1465, 36.6431

Details

The CIELCh color **78, 54.614, 104.675** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **44, 63.619, 298.017**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 54.921, 105.974**, and **58, 54.417, 104.321** is the 20% darker color. If you saturate the color by 10%, you get **78, 63.067, 103.886**, and if you desaturate by 10%, it is **78, 45.303, 105.557**.

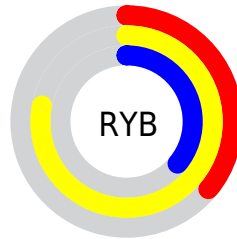
Distribution



Red (78%)

Green (78%)

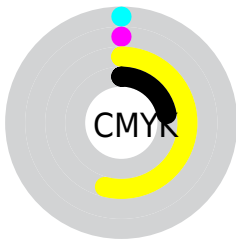
Blue (36%)



Red (36%)

Yellow (78%)

Blue (36%)

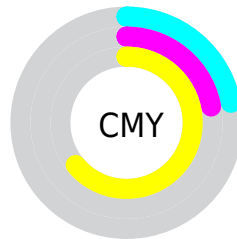


Cyan (0%)

Magenta (0%)

Yellow (54%)

Black (22%)



Cyan (22%)


Magenta (22%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 54.614, 104.675 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 78, 54.614, 104.675 by changing the saturation by 10% instead.


 78, 54.614,
104.675


 78, 54.614,
104.675


 100, 54.614,
104.675


 68, 54.614,
104.675


 98, 54.614,
104.675

 58, 54.614,
104.675

 48, 54.614,
104.675

 38, 54.614,
104.675

 28, 54.614,
104.675

 18, 54.614,
104.675

 8, 54.614, 104.675

0, 54.614, 104.675

78, 54.614,
104.675

78, 54.614,
104.675

78, 63.067,
103.886

78, 45.303,
105.557

78, 70.217,
103.220

79, 35.454,
106.492

77, 75.561,
102.716

79, 25.284,
107.456

77, 78.721,
102.398

79, 14.933,
108.429

77, 79.817,
102.276

80, 4.491, 109.388

81, 5.983, 290.365

81, 16.453,

291.282

■ 82, 26.892,
292.170

■ 82, 29.440,
292.295

Harmonies

Complementary

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



78, 54.614, 104.675



44, 63.619, 298.017

Rectangle

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



78, 54.614, 104.675



78, 54.614, 154.675



78, 54.614, 284.675



78, 54.614, 334.675

Sweetspot

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



78, 54.615, 104.678



99, 20.436, 108.241



52, 47.636, 24.858



53, 13.788, 108.038



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 54.615, 104.678



97, 77.604, 103.766



75, 59.352, 126.013



42, 5.928, 108.905



65, 68.931, 102.284



13, 20.078, 105.504

Inverse Universe

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



44, 63.619, 298.017



48, 94.968, 300.596



49, 64.583, 311.312



38, 6.057, 290.787



19, 95.380, 306.159



1, 21.370, 291.518

Previews

White Background



This preview shows how the CIELCh color 78, 54.614, 104.675 looks on a white background.

Color Contrast Check

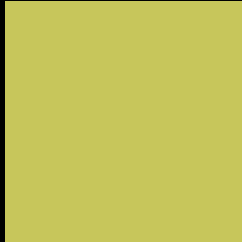
Large Text (above 18pt) WCAG AA × Fail

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 78, 54.614, 104.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

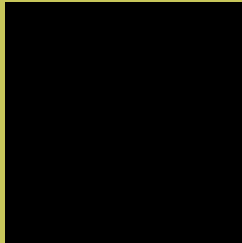
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 54.614, 104.675

Background



This preview shows how black text looks on a background with the CIELCh color 78, 54.614, 104.675.

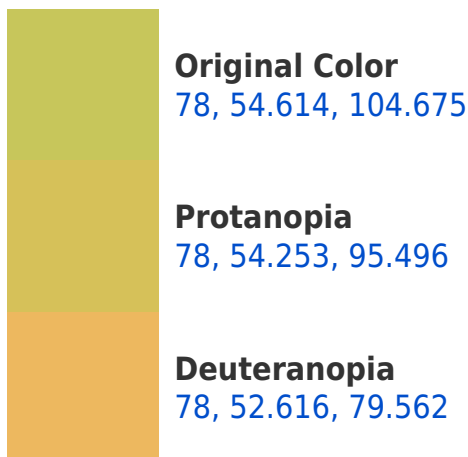


This preview shows how white text looks on a background with the CIELCh color 78, 54.614, 104.675.

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





Tritanopia
78, 11.968, 338.301

Trichromacy



Original Color
78, 54.614, 104.675

Protanomaly
78, 54.115, 99.204

Deuteranomaly
78, 51.725, 88.881

Tritanomaly
78, 16.733, 86.506

Monochromacy



Original Color
78, 54.614, 104.675

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 20.799, 107.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 54.614, 104.675 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(199, 198, 91)` looks like.

```
.text, #text, p{  
    color:rgb(199, 198, 91)  
}
```

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(199, 198, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 198, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 54.614, 104.675 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(199, 198, 91) }
```

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

```
.border{ border-color:rgb(199, 198, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 198, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 198, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 198, 91);  
box-shadow:4px 4px 4px 4px rgb(199, 198,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 54.614, 104.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 198, 91) }
```

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

```
.background{ background-color: rgb(199,  
198, 91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor