

Converting Colors

CIELCh(70, 34.004, 125.703)

Have a look what the booklet for
CIELCh(70, 34.004, 125.703)
contains.

CIELCh(70, 34.046, 125.711)	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(70, 34.046, 125.711)

Conversions

Conversions Part 1

Format	Color
Hex	99B478
RGB	153, 180, 120
RGB Percent	60%, 71%, 47%
CMY	0.4002, 0.2943, 0.5296
CMYK	0.15, 0.00, 0.33, 0.29
HSL	87°, 29%, 59%
HSV	87°, 33%, 71%
XYZ	32.8300, 40.7494, 23.8920
YIQ	165.0870, 3.1680, -24.3840

Conversions

Conversions Part 2

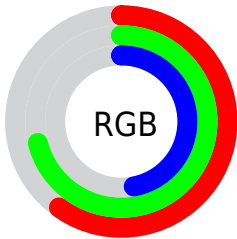
Format	Color
R _Y B	120, 180, 147
Decimal	10073208
CIE Lab	70.00, -19.87, 27.64
CIE LCh	70, 34.046, 125.711
Yxy	40.7494, 0.3368, 0.4181
Android (android.graphics.Color)	4288263288 (0xFF99B478)
YUV	165.0870, -22.2279, -10.6003
Hunter-Lab	63.8353, -19.9106, 22.4939

Details

The CIELCh color **70, 34.046, 125.711** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55, 35.866, 309.047**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 34.025, 125.810**, and **50, 33.758, 125.793** is the 20% darker color. If you saturate the color by 10%, you get **69, 43.933, 125.242**, and if you desaturate by 10%, it is **71, 23.922, 126.206**.

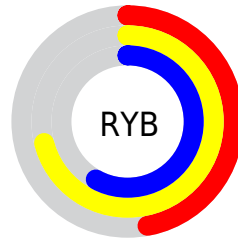
Distribution



Red (60%)

Green (71%)

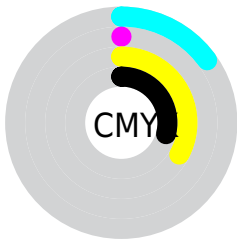
Blue (47%)



Red (47%)

Yellow (71%)

Blue (58%)

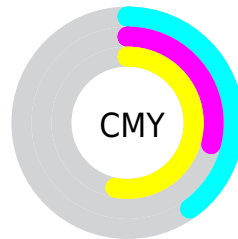


Cyan (15%)

Magenta (0%)

Yellow (33%)

Black (29%)



Cyan (40%)


Magenta (29%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 34.046, 125.711 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, 34.046, 125.711 by changing the saturation by 10% instead.


 70, 34.046,
125.711


 70, 34.046,
125.711


 100, 34.046,
125.711


 60, 34.046,
125.711


 90, 34.046,
125.711

 50, 34.046,
125.711

 40, 34.046,
125.711

 30, 34.046,
125.711

 20, 34.046,
125.711

 10, 34.046,
125.711

 0, 34.046, 125.711

70, 34.046,
125.711

70, 34.046,
125.711

69, 43.933,
125.242

71, 23.922,
126.206

68, 53.393,
124.837

72, 13.681,
126.695

68, 62.162,
124.565

73, 3.415, 127.182

67, 69.874,
124.521

74, 6.816, 307.578

67, 76.096,
124.826

75, 16.966,
307.990

66, 80.458,
125.590

77, 27.005,
308.362

66, 82.593,
126.263

78, 36.911,
308.698

79, 42.179,
310.634

■ 80, 42.968,
314.171

Harmonies

Complementary

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



70, 34.046, 125.711



55, 35.866, 309.047

Rectangle

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



70, 34.046, 125.711



70, 34.046, 175.711



70, 34.046, 305.711



70, 34.046, 355.711

Sweetspot

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



70, 34.048, 125.713



92, 12.717, 126.848



63, 20.750, 66.035



48, 8.671, 126.782



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, 34.048, 125.713



88, 50.419, 125.363



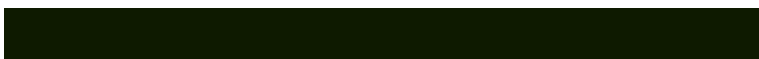
68, 39.434, 140.910



37, 5.766, 126.889



57, 73.136, 126.052



7, 14.335, 131.170

Inverse Universe

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



55, 35.866, 309.047



66, 53.815, 309.487



58, 39.537, 324.771



35, 5.852, 307.730



22, 85.991, 310.984



1, 13.737, 303.640

Previews

White Background



This preview shows how the CIELCh color 70, 34.046, 125.711 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 70, 34.046, 125.711 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, 34.046, 125.711

Background



This preview shows how black text looks on a background with the CIELCh color 70, 34.046, 125.711.



This preview shows how white text looks on a background with the CIELCh color 70, 34.046, 125.711.

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, 34.046, 125.711

Protanopia
70, 30.326, 95.864

Deuteranopia
70, 27.387, 71.923



Tritanopia
70, 7.901, 263.858

Trichromacy



Original Color
70, 34.046, 125.711

Protanomaly
70, 30.680, 107.839

Deuteranomaly
70, 26.182, 94.621

Tritanomaly
70, 9.817, 147.512

Monochromacy



Original Color
70, 34.046, 125.711

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 12.038, 125.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 34.046, 125.711 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(153, 180, 120)` looks like.

```
.text, #text, p{  
    color:rgb(153, 180, 120)  
}
```

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(153, 180, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 180, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 34.046, 125.711 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(153, 180, 120) }
```

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

```
.border{ border-color:rgb(153, 180, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 180, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 180, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 180, 120);  
box-shadow:4px 4px 4px 4px rgb(153, 180,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 34.046, 125.711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 180, 120) }
```

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

```
.background{ background-color: rgb(153,  
180, 120) }
```

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