

Converting Colors

CIELCh(70, 45.428, 139.619)

Have a look what the booklet for
CIELCh(70, 45.428, 139.619)
contains.

CIELCh(70, 45.708, 139.691)	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, 45.708, 139.691)

Conversions

Conversions Part 1

Format	Color
Hex	7ABB74
RGB	122, 187, 116
RGB Percent	48%, 73%, 45%
CMY	0.5230, 0.2681, 0.5464
CMYK	0.35, 0.00, 0.38, 0.27
HSL	115°, 34%, 59%
HSV	115°, 38%, 73%
XYZ	28.8007, 40.7494, 22.7666
YIQ	159.4710, -15.9490, -35.8610

Conversions

Conversions Part 2

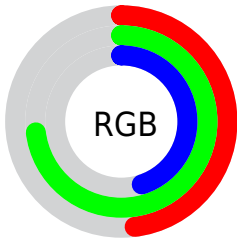
Format	Color
RYB	116, 187, 181
Decimal	8043380
CIELab	70.00, -34.86, 29.57
CIElCh	70, 45.708, 139.691
Yxy	40.7494, 0.3120, 0.4414
Android (android.graphics.Color)	4286233460 (0xFF7ABB74)
YUV	159.4710, -21.4312, -32.8621
Hunter-Lab	63.8353, -31.1774, 23.5391

Details

The CIELCh color $70, 45.708, 139.691$ is a dark color, and the websafe version is hex $99CC99$. A complement of this color would be $58, 45.940, 323.977$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $90, 45.763, 139.662$, and $50, 45.451, 139.972$ is the 20% darker color. If you saturate the color by 10%, you get $69, 57.128, 138.835$, and if you desaturate by 10%, it is $71, 33.830, 140.469$.

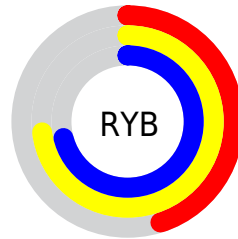
Distribution



Red (48%)

Green (73%)

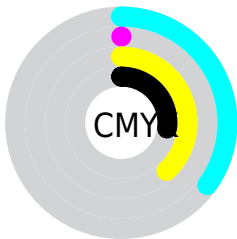
Blue (45%)



Red (45%)

Yellow (73%)

Blue (71%)

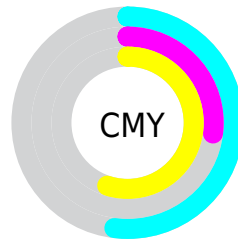


Cyan (35%)

Magenta (0%)

Yellow (38%)

Black (27%)



Cyan (52%)


Magenta (27%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 45.708, 139.691 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, 45.708, 139.691 by changing the saturation by 10% instead.


 70, 45.708,
139.691


 70, 45.708,
139.691


 100, 45.708,
139.691


 60, 45.708,
139.691


 90, 45.708,
139.691

 50, 45.708,
139.691

 40, 45.708,
139.691

 30, 45.708,
139.691

 20, 45.708,
139.691

 10, 45.708,
139.691

 0, 45.708, 139.691

70, 45.708,
139.691

70, 45.708,
139.691

69, 57.128,
138.835

71, 33.830,
140.469

68, 67.759,
137.934

73, 21.741,
141.157

67, 77.190,
137.060

74, 9.632, 141.763

76, 2.357, 322.151

67, 84.935,
136.323

78, 14.132,
322.663

66, 90.509,
135.856

80, 25.626,
323.038

66, 93.757,
135.700

82, 36.802,
323.352

66, 94.260,
135.650

84, 42.852,
325.910

Harmonies

Complementary

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



70, 45.708, 139.691



58, 45.940, 323.977

Rectangle

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



70, 45.708, 139.691



70, 45.708, 189.691



70, 45.708, 319.691



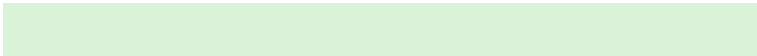
70, 45.708, 9.691

Sweetspot

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



70, 45.709, 139.691



93, 16.346, 141.579



72, 34.232, 101.785



50, 11.081, 141.498



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 45.709, 139.691



87, 67.746, 138.948



70, 34.942, 155.175



39, 6.867, 141.686



57, 83.300, 135.584



9, 21.237, 142.785

Inverse Universe

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



58, 45.940, 323.977



69, 68.030, 324.345



57, 35.816, 341.859



37, 6.888, 322.591



35, 81.270, 324.989



3, 20.577, 321.764

Previews

White Background



This preview shows how the CIELCh color 70, 45.708, 139.691 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, 45.708, 139.691 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, 45.708, 139.691

Background



This preview shows how black text looks on a background with the CIELCh color 70, 45.708, 139.691.



This preview shows how white text looks on a background with the CIELCh color 70, 45.708, 139.691.

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](#).

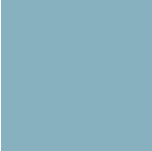
Dichromacy



Original Color
70, 45.708, 139.691

Protanopia
70, 33.550, 95.759

Deuteranopia
70, 28.603, 72.304



Tritanopia
70, 15.820, 229.968

Trichromacy



Original Color
70, 45.708, 139.691

Protanomaly
69, 35.311, 116.161

Deuteranomaly
69, 28.629, 106.410

Tritanomaly
70, 20.428, 170.584

Monochromacy



Original Color
70, 45.708, 139.691

Achromatopsia
65, 0.008, 296.813

Achromatomaly
67, 17.135, 141.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 45.708, 139.691 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(122, 187, 116)` looks like.

```
.text, #text, p{  
    color:rgb(122, 187, 116)  
}
```

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(122, 187, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 187, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 45.708, 139.691 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(122, 187, 116) }
```

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

```
.border{ border-color:rgb(122, 187, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 187, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 187, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 187, 116);  
box-shadow:4px 4px 4px 4px rgb(122, 187,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 45.708, 139.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 187, 116) }
```

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

```
.background{ background-color: rgb(122,  
187, 116) }
```

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