

Converting Colors

CIELCh(74, 45.918, 169.740)

Have a look what the booklet for
CIELCh(74, 45.918, 169.740)
contains.

CIELCh(74, 45.988, 169.438)	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(74, 45.988, 169.438)

Conversions

Conversions Part 1

Format	Color
Hex	45CBA5
RGB	69, 203, 165
RGB Percent	27%, 80%, 65%
CMY	0.7293, 0.2038, 0.3529
CMYK	0.66, 0.00, 0.19, 0.20
HSL	163°, 56%, 53%
HSV	163°, 66%, 80%
XYZ	30.6094, 46.7039, 43.0072
YIQ	158.6020, -67.6660, -40.2260

Conversions

Conversions Part 2

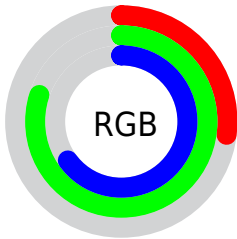
Format	Color
RYB	69, 147, 203
Decimal	4574117
CIELab	74.00, -45.21, 8.43
CIELCh	74, 45.988, 169.438
Yxy	46.7039, 0.2544, 0.3882
Android (android.graphics.Color)	4282764197 (0xFF45CBA5)
YUV	158.6020, 3.1542, -78.5810
Hunter-Lab	68.3403, -39.6458, 10.5265

Details

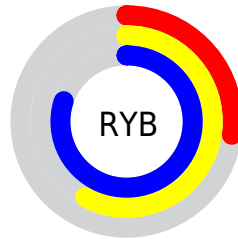
The CIELCh color **74, 45.988, 169.438** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **50, 56.338, 7.925**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 43.086, 171.830**, and **54, 43.196, 167.689** is the 20% darker color. If you saturate the color by 10%, you get **73, 50.584, 167.771**, and if you desaturate by 10%, it is **75, 40.573, 170.929**.

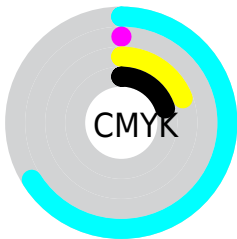
Distribution



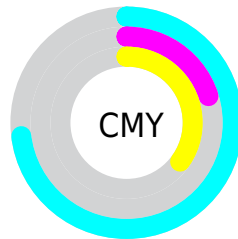
- Red (27%)
- Green (80%)
- Blue (65%)



- Red (27%)
- Yellow (58%)
- Blue (80%)



- Cyan (66%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)




- Cyan (73%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 45.988, 169.438 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 74, 45.988, 169.438 by changing the saturation by 10% instead.


 74, 45.988,
169.438

 74, 45.988,
169.438


 100, 45.988,
169.438


 64, 45.988,
169.438


 94, 45.988,
169.438

 54, 45.988,
169.438

 44, 45.988,
169.438

 34, 45.988,
169.438

 24, 45.988,
169.438

 14, 45.988,
169.438

 4, 45.988, 169.438

0, 45.988, 169.438

74, 45.988,
169.438

74, 45.988,
169.438

73, 50.584,
167.771

75, 40.573,
170.929

73, 54.342,
165.913

76, 34.415,
172.271

73, 57.322,
163.862

77, 27.627,
173.489

73, 58.404,
163.034

78, 20.341,
174.605

79, 12.690,
175.644

81, 4.799, 176.662

■ 82, 3.225, 357.304

■ 84, 11.290,
358.259

■ 86, 19.326,
359.082

Harmonies

Complementary

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



74, 45.988, 169.438



50, 56.338, 7.925

Rectangle

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



74, 45.988, 169.438



74, 45.988, 219.438



74, 45.988, 349.438



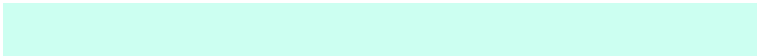
74, 45.988, 39.438

Sweetspot

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



74, 45.988, 169.437



96, 18.988, 175.208



74, 76.155, 132.469



51, 12.903, 174.911



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 45.988, 169.437



90, 61.991, 167.042



67, 31.683, 225.580



42, 4.545, 176.308



60, 49.973, 163.372



13, 17.271, 168.554

Inverse Universe

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



50, 56.338, 7.925



57, 77.843, 12.988



53, 53.783, 40.989



40, 4.677, 357.936



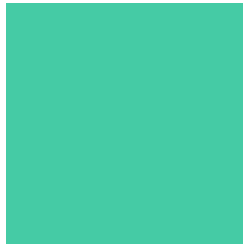
35, 63.849, 22.065



4, 18.485, 5.705

Previews

White Background



This preview shows how the CIELCh color 74, 45.988, 169.438 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 74, 45.988, 169.438 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

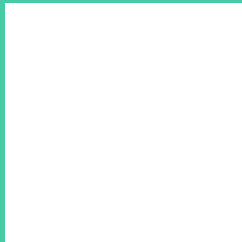
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 45.988, 169.438

Background



This preview shows how black text looks on a background with the CIELCh color 74, 45.988, 169.438.

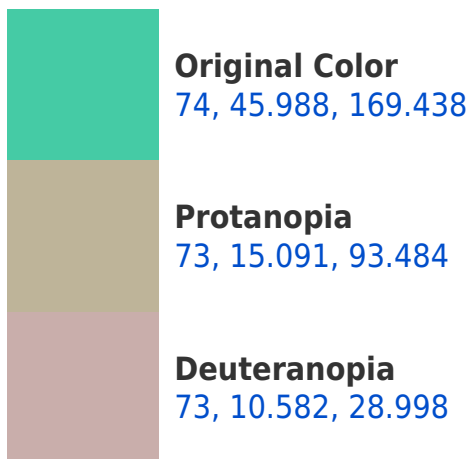


This preview shows how white text looks on a background with the CIELCh color 74, 45.988, 169.438.

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
74, 31.457, 212.393

Trichromacy



Original Color
74, 45.988, 169.438



Protanomaly
73, 23.129, 151.148



Deuteranomaly
72, 14.766, 162.187



Tritanomaly
74, 34.426, 193.216

Monochromacy



Original Color
74, 45.988, 169.438



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 19.384, 174.271

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 45.988, 169.438 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(69, 203, 165)` looks like.

```
.text, #text, p{  
    color:rgb(69, 203, 165)  
}
```

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(69, 203, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 203, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 45.988, 169.438 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(69, 203, 165) }
```

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

```
.border{ border-color:rgb(69, 203, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 203, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 203, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 203, 165);  
box-shadow:4px 4px 4px 4px rgb(69, 203,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 45.988, 169.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 203, 165) }
```

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

```
.background{ background-color: rgb(69, 203,  
165) }
```

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