

Converting Colors

CIELCh(74, 48.292, 165.788)

Have a look what the booklet for
CIELCh(74, 48.292, 165.788)
contains.

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Color

CIELCh(74, 48.009, 166.189)

Conversions

Conversions Part 1

Format	Color
Hex	45CB9F
RGB	69, 203, 159
RGB Percent	27%, 80%, 62%
CMY	0.7275, 0.2023, 0.3750
CMYK	0.66, 0.00, 0.22, 0.20
HSL	160°, 56%, 54%
HSV	160°, 66%, 80%
XYZ	30.2326, 46.7039, 40.3968
YIQ	157.9180, -65.7400, -42.0920

Conversions

Conversions Part 2

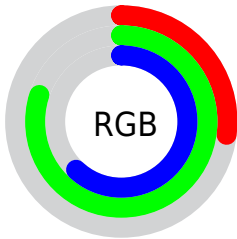
Format	Color
RYB	69, 149, 203
Decimal	4574111
CIELab	74.00, -46.62, 11.46
CIELCh	74, 48.009, 166.189
Yxy	46.7039, 0.2577, 0.3980
Android (android.graphics.Color)	4282764191 (0xFF45CB9F)
YUV	157.9180, 0.5334, -77.9811
Hunter-Lab	68.3403, -40.6301, 12.7912

Details

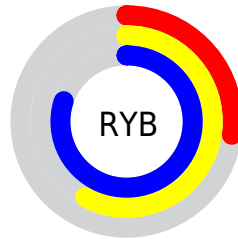
The CIELCh color **74, 48.009, 166.189** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **50, 56.507, 4.352**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 44.875, 168.405**, and **54, 45.073, 164.704** is the 20% darker color. If you saturate the color by 10%, you get **73, 53.027, 164.455**, and if you desaturate by 10%, it is **75, 42.187, 167.736**.

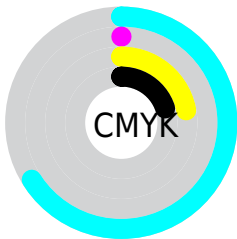
Distribution



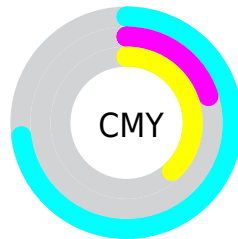
- Red (27%)
- Green (80%)
- Blue (62%)



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



- Cyan (66%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)



- Cyan (73%)
- Magenta (20%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 74, 48.009, 166.189 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, 48.009, 166.189 by changing the saturation by 10% instead.

 74, 48.009,
166.189

 74, 48.009,
166.189

 100, 48.009,
166.189

 64, 48.009,
166.189

 94, 48.009,
166.189

 54, 48.009,
166.189

 44, 48.009,
166.189

 34, 48.009,
166.189

 24, 48.009,
166.189

 14, 48.009,
166.189

 4, 48.009, 166.189

■ 0, 48.009, 166.189

■ 74, 48.009,
166.189

■ 74, 48.009,
166.189

■ 73, 53.027,
164.455

■ 75, 42.187,
167.736

■ 73, 57.212,
162.519

■ 76, 35.643,
169.120

■ 73, 60.619,
160.385

■ 77, 28.497,
170.368

■ 73, 61.918,
159.489

■ 78, 20.886,
171.504

■ 79, 12.944,
172.551

■ 81, 4.798, 173.569

■ 83, 3.444, 354.222

■ 84, 11.695,
355.154

■ 86, 19.886,
355.959

Harmonies

Complementary

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



74, 48.009, 166.189



50, 56.507, 4.352

Rectangle

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



74, 48.009, 166.189



74, 48.009, 216.189



74, 48.009, 346.189



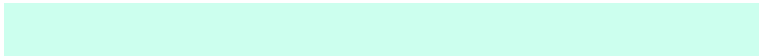
74, 48.009, 36.189

Sweetspot

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



74, 48.009, 166.188



96, 19.557, 172.096



74, 75.387, 131.571



51, 13.299, 171.796



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, 48.009, 166.188



90, 65.081, 163.665



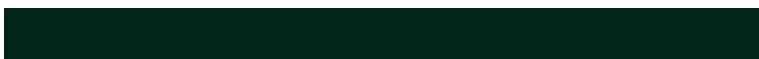
69, 31.984, 220.105



42, 4.669, 173.199



60, 52.865, 159.844



12, 18.076, 165.296

Inverse Universe

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



50, 56.507, 4.352



57, 77.468, 9.194



53, 54.744, 38.636



40, 4.785, 354.822



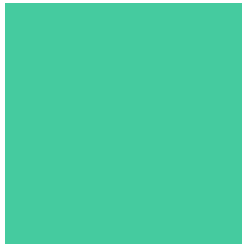
35, 62.584, 17.968



4, 18.681, 3.433

Previews

White Background



This preview shows how the CIELCh color 74, 48.009, 166.189 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 74, 48.009, 166.189 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

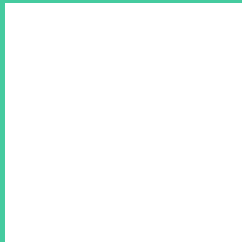
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 48.009, 166.189

Background



This preview shows how black text looks on a background with the CIELCh color 74, 48.009, 166.189.

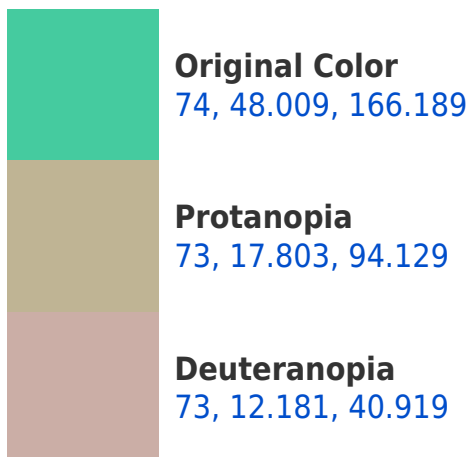


This preview shows how white text looks on a background with the CIELCh color 74, 48.009, 166.189.

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, 30.911, 213.782

Trichromacy



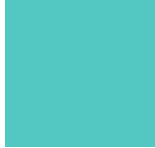
Original Color
74, 48.009, 166.189



Protanomaly
73, 25.647, 146.358



Deuteranomaly
72, 16.350, 153.985



Tritanomaly
74, 34.551, 191.393

Monochromacy



Original Color
74, 48.009, 166.189



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 19.943, 171.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 48.009, 166.189 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(69, 203, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 203, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 48.009, 166.189 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, 159) }
```

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

```
.border{ border-color:rgb(69, 203, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 203, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 203, 159);  
box-shadow:4px 4px 4px 4px rgb(69, 203,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 48.009, 166.189 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, 159) }
```

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

```
.background{ background-color: rgb(69, 203,  
159) }
```

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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