

Converting Colors

CIELCh(72, 46.805, 160.843)

Have a look what the booklet for
CIELCh(72, 46.805, 160.843)
contains.

CIELCh(72, 46.958, 160.714)	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(72, 46.958, 160.714)

Conversions

Conversions Part 1

Format	Color
Hex	52C593
RGB	82, 197, 147
RGB Percent	32%, 77%, 58%
CMY	0.6798, 0.2287, 0.4247
CMYK	0.58, 0.00, 0.25, 0.23
HSL	154°, 50%, 55%
HSV	154°, 58%, 77%
XYZ	28.5834, 43.6590, 34.3987
YIQ	156.9150, -52.4900, -39.9300

Conversions

Conversions Part 2

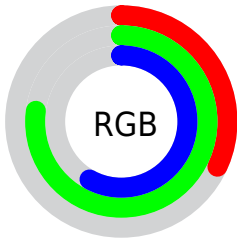
Format	Color
RYB	82, 155, 197
Decimal	5424531
CIELab	72.00, -44.32, 15.51
CIELCh	72, 46.958, 160.714
Yxy	43.6590, 0.2680, 0.4094
Android (android.graphics.Color)	4283614611 (0xFF52C593)
YUV	156.9150, -4.8881, -65.7005
Hunter-Lab	66.0750, -38.4137, 15.3861

Details

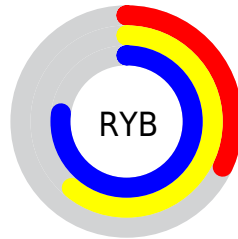
The CIELCh color **72, 46.958, 160.714** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **51, 51.151, 354.744**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 46.684, 160.702**, and **52, 46.679, 160.516** is the 20% darker color. If you saturate the color by 10%, you get **71, 53.337, 159.063**, and if you desaturate by 10%, it is **73, 39.884, 162.176**.

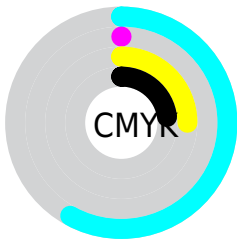
Distribution



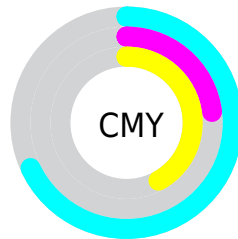
- Red (32%)
- Green (77%)
- Blue (58%)



- Red (32%)
- Yellow (61%)
- Blue (77%)



- Cyan (58%)
- Magenta (0%)
- Yellow (25%)
- Black (23%)





- Cyan (68%)
- Magenta (23%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 46.958, 160.714 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 72, 46.958, 160.714 by changing the saturation by 10% instead.


 72, 46.958,
160.714


 72, 46.958,
160.714


 100, 46.958,
160.714


 62, 46.958,
160.714


 92, 46.958,
160.714

 52, 46.958,
160.714

 42, 46.958,
160.714

 32, 46.958,
160.714

 22, 46.958,
160.714

 12, 46.958,
160.714

 2, 46.958, 160.714

■ 0, 46.958, 160.714

■ 72, 46.958,
160.714

■ 72, 46.958,
160.714

■ 71, 53.337,
159.063

■ 73, 39.884,
162.176

■ 71, 58.931,
157.206

■ 74, 32.238,
163.476

■ 70, 63.718,
155.138

■ 75, 24.161,
164.637

■ 70, 67.795,
152.907

■ 76, 15.796,
165.687

■ 70, 68.390,
152.579

■ 78, 7.271, 166.660

■ 80, 1.304, 347.137

■ 81, 9.840, 348.212

■ 83, 18.271,
348.968

■ 85, 25.423,
347.905

Harmonies

Complementary

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



72, 46.958, 160.714



51, 51.151, 354.744

Rectangle

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



72, 46.958, 160.714



72, 46.958, 210.714



72, 46.958, 340.714



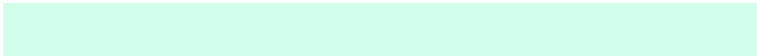
72, 46.958, 30.714

Sweetspot

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



72, 46.959, 160.713



96, 18.993, 165.707



73, 64.069, 128.201



51, 13.176, 165.408



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 46.959, 160.713



90, 66.713, 158.601



72, 31.724, 202.794



41, 4.903, 166.573



59, 59.158, 152.922



11, 18.982, 159.085

Inverse Universe

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



51, 51.151, 354.744



61, 72.550, 357.670



51, 49.889, 29.887



39, 4.985, 348.113



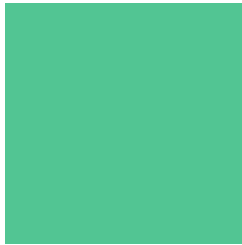
35, 60.472, 7.807



4, 17.291, 356.900

Previews

White Background



This preview shows how the CIELCh color 72, 46.958, 160.714 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 72, 46.958, 160.714 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 72, 46.958, 160.714

Background



This preview shows how black text looks on a background with the CIELCh color 72, 46.958, 160.714.

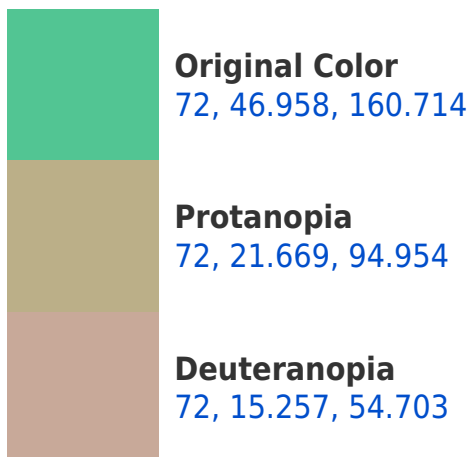


This preview shows how white text looks on a background with the CIELCh color 72, 46.958, 160.714.

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
72, 27.553, 214.937

Trichromacy



Original Color
72, 46.958, 160.714



Protanomaly
71, 26.828, 137.370



Deuteranomaly
71, 17.485, 137.659



Tritanomaly
72, 31.480, 187.953

Monochromacy



Original Color
72, 46.958, 160.714



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 18.284, 164.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 46.958, 160.714 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(82, 197, 147)` looks like.

```
.text, #text, p{  
    color:rgb(82, 197, 147)  
}
```

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(82, 197, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 197, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 46.958, 160.714 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(82, 197, 147) }
```

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

```
.border{ border-color:rgb(82, 197, 147) }
```

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

Here you see how a box with a 4 pixel rgb(82, 197, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 197, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 197, 147);  
box-shadow:4px 4px 4px 4px rgb(82, 197,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 46.958, 160.714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 197, 147) }
```

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

```
.background{ background-color: rgb(82, 197,  
147) }
```

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