

Converting Colors

CIELCh(73, 42.898, 154.574)

Have a look what the booklet for
CIELCh(73, 42.898, 154.574)
contains.

CIELCh(73, 42.858, 154.489)	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(73, 42.858, 154.489)

Conversions

Conversions Part 1

Format	Color
Hex	6CC590
RGB	108, 197, 144
RGB Percent	42%, 77%, 56%
CMY	0.5762, 0.2272, 0.4351
CMYK	0.45, 0.00, 0.27, 0.23
HSL	144°, 43%, 60%
HSV	144°, 45%, 77%
XYZ	31.2078, 45.1644, 33.4792
YIQ	164.3470, -36.0310, -35.3510

Conversions

Conversions Part 2

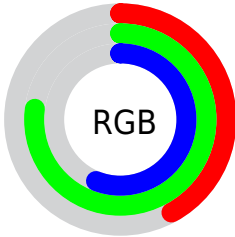
Format	Color
RYB	108, 171, 197
Decimal	7128464
CIELab	73.00, -38.68, 18.46
CIELCh	73, 42.858, 154.489
Yxy	45.1644, 0.2841, 0.4111
Android (android.graphics.Color)	4285318544 (0xFF6CC590)
YUV	164.3470, -10.0311, -49.4163
Hunter-Lab	67.2044, -34.7174, 17.5067

Details

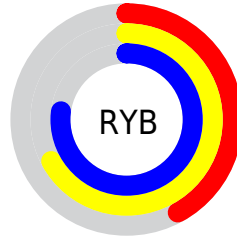
The CIELCh color **73, 42.858, 154.489** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **57, 44.037, 342.875**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 42.634, 154.421**, and **53, 43.276, 154.161** is the 20% darker color. If you saturate the color by 10%, you get **72, 51.487, 153.124**, and if you desaturate by 10%, it is **74, 33.732, 155.684**.

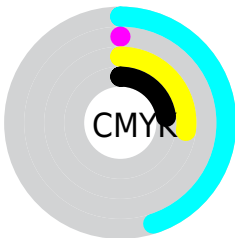
Distribution



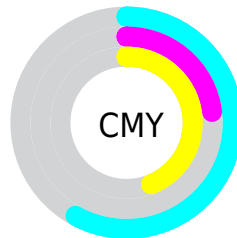
- Red (42%)
- Green (77%)
- Blue (56%)



- Red (42%)
- Yellow (67%)
- Blue (77%)



- Cyan (45%)
- Magenta (0%)
- Yellow (27%)
- Black (23%)





- Cyan (58%)
- Magenta (23%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 42.858, 154.489 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 73, 42.858, 154.489 by changing the saturation by 10% instead.

 73, 42.858,
154.489


 73, 42.858,
154.489


 100, 42.858,
154.489


 63, 42.858,
154.489


 93, 42.858,
154.489

 53, 42.858,
154.489

 43, 42.858,
154.489

 33, 42.858,
154.489

 23, 42.858,
154.489

 13, 42.858,
154.489

 3, 42.858, 154.489

0, 42.858, 154.489

73, 42.858,
154.489

73, 42.858,
154.489

72, 51.487,
153.124

74, 33.732,
155.684

71, 59.451,
151.569

75, 24.275,
156.733

71, 66.609,
149.811

77, 14.643,
157.664

70, 72.872,
147.855

79, 4.969, 158.528

70, 78.218,
145.734

80, 4.638, 339.102

82, 14.100,
339.810

70, 80.570,
144.727

85, 23.357,

340.414

■ 86, 29.661,
335.669

■ 86, 34.144,
328.346

Harmonies

Complementary

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



73, 42.858, 154.489



57, 44.037, 342.875

Rectangle

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



73, 42.858, 154.489



73, 42.858, 204.489



73, 42.858, 334.489



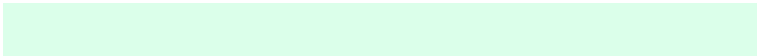
73, 42.858, 24.489

Sweetspot

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



73, 42.859, 154.489



97, 16.662, 157.747



75, 48.589, 123.249



51, 11.506, 157.554



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 42.859, 154.489



91, 62.171, 153.173



74, 29.137, 187.612



41, 5.509, 158.162



59, 69.550, 145.056



11, 21.511, 152.314

Inverse Universe

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



57, 44.037, 342.875



68, 63.744, 344.048



56, 37.762, 16.739



39, 5.555, 339.509



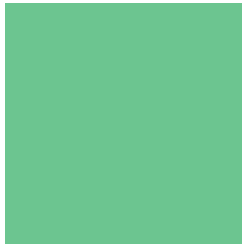
35, 62.563, 352.958



4, 18.959, 347.069

Previews

White Background



This preview shows how the CIELCh color 73, 42.858, 154.489 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 73, 42.858, 154.489 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 73, 42.858, 154.489

Background



This preview shows how black text looks on a background with the CIELCh color 73, 42.858, 154.489.

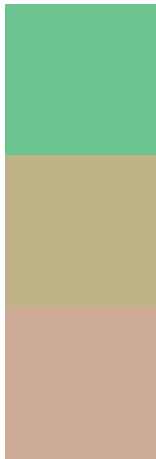


This preview shows how white text looks on a background with the CIELCh color 73, 42.858, 154.489.

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
73, 42.858, 154.489

Protanopia
73, 23.787, 94.909

Deuteranopia
72, 17.985, 59.140



Tritanopia
73, 22.214, 219.644

Trichromacy



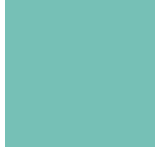
Original Color
73, 42.858, 154.489



Protanomaly
72, 27.011, 128.287



Deuteranomaly
72, 17.749, 121.281



Tritanomaly
73, 25.473, 185.042

Monochromacy



Original Color
73, 42.858, 154.489



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 15.993, 157.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 42.858, 154.489 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(108, 197, 144)` looks like.

```
.text, #text, p{  
    color:rgb(108, 197, 144)  
}
```

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(108, 197, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 197, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 42.858, 154.489 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(108, 197, 144) }
```

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

```
.border{ border-color:rgb(108, 197, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 197, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 197, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 197, 144);  
box-shadow:4px 4px 4px 4px rgb(108, 197,  
144) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 42.858, 154.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 197, 144) }
```

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

```
.background{ background-color: rgb(108,  
197, 144) }
```

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