

# Converting Colors

CIELCh(73, 41.759, 162.626)

Have a look what the booklet for  
CIELCh(73, 41.759, 162.626)  
contains.

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**Color**

**CIELCh(73, 41.846, 162.497)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60C69B
RGB	96, 198, 155
RGB Percent	38%, 78%, 61%
CMY	0.6241, 0.2241, 0.3927
CMYK	0.52, 0.00, 0.22, 0.22
HSL	155°, 47%, 58%
HSV	155°, 52%, 78%
XYZ	30.8754, 45.1644, 38.0417
YIQ	162.6000, -46.9890, -34.9970

# Conversions

## Conversions Part 2

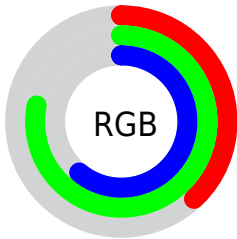
<b>Format</b>	<b>Color</b>
<b>RYB</b>	96, 161, 198
Decimal	6342299
CIELab	73.00, -39.91, 12.59
CIELCh	73, 41.846, 162.497
Yxy	45.1644, 0.2706, 0.3959
Android (android.graphics.Color)	4284532379 (0xFF60C69B)
YUV	162.6000, -3.7468, -58.4082
Hunter-Lab	67.2044, -35.6004, 13.4815

# Details

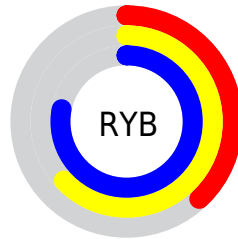
The CIELCh color **73, 41.846, 162.497** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **54, 45.627, 354.322**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 41.794, 162.279**, and **53, 41.499, 162.758** is the 20% darker color. If you saturate the color by 10%, you get **72, 48.641, 160.979**, and if you desaturate by 10%, it is **74, 34.432, 163.844**.

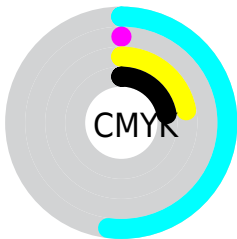
# Distribution



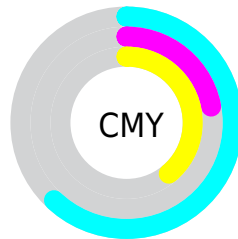
- Red (38%)
- Green (78%)
- Blue (61%)



- Red (38%)
- Yellow (63%)
- Blue (78%)



- Cyan (52%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)




- Cyan (62%)
- Magenta (22%)
- Yellow (39%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 41.846, 162.497 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, 41.846, 162.497 by changing the saturation by 10% instead.





 73, 41.846,  
162.497


 73, 41.846,  
162.497


 100, 41.846,  
162.497


 63, 41.846,  
162.497


 93, 41.846,  
162.497

 53, 41.846,  
162.497

 43, 41.846,  
162.497

 33, 41.846,  
162.497

 23, 41.846,  
162.497

 13, 41.846,  
162.497

 3, 41.846, 162.497

0, 41.846, 162.497

73, 41.846,  
162.497

73, 41.846,  
162.497

72, 48.641,  
160.979

74, 34.432,  
163.844

72, 54.702,  
159.269

75, 26.535,  
165.048

71, 59.961,  
157.350

76, 18.298,  
166.133

71, 64.419,  
155.222

78, 9.855, 167.130

71, 67.706,  
153.338

80, 1.321, 168.303

81, 7.206, 348.738

83, 15.653,  
349.532

■ 85, 23.965,  
350.252

■ 86, 26.508,  
342.372

# Harmonies

# Complementary

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



73, 41.846, 162.497



54, 45.627, 354.322

# Rectangle

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



73, 41.846, 162.497



73, 41.846, 212.497



73, 41.846, 342.497



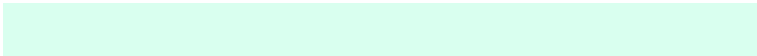
73, 41.846, 32.497

# Sweetspot

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



73, 41.847, 162.496



97, 15.701, 166.771



74, 57.682, 129.002



51, 10.702, 166.559



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, 41.847, 162.496



91, 59.946, 160.755



72, 28.831, 204.740



41, 4.859, 167.340



59, 58.299, 153.690



11, 18.764, 159.799



# Inverse Universe

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



54, 45.627, 354.322



64, 65.877, 356.620



55, 42.758, 29.674



39, 4.944, 348.893



34, 60.521, 9.061



4, 17.195, 357.657



# Previews

## White Background



This preview shows how the CIELCh color 73, 41.846, 162.497 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, 41.846, 162.497 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, 41.846, 162.497**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 73, 41.846, 162.497.

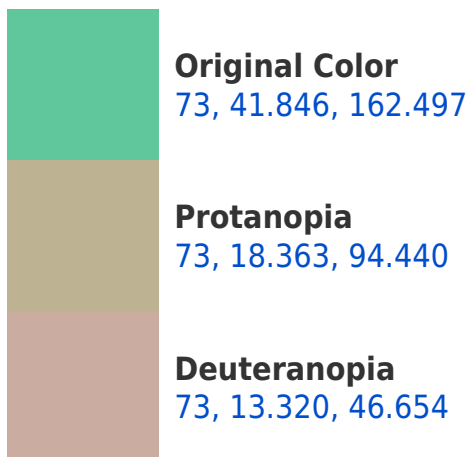


This preview shows how white text looks on a background with the CIELCh color 73, 41.846, 162.497.

# 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**  
73, 25.574, 216.432

# Trichromacy



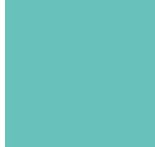
**Original Color**  
73, 41.846, 162.497



**Protanomaly**  
72, 22.703, 138.818



**Deuteranomaly**  
72, 13.828, 138.791



**Tritanomaly**  
73, 28.407, 190.588

# Monochromacy



**Original Color**  
73, 41.846, 162.497



**Achromatopsia**  
67, 0.008, 296.813



**Achromatomaly**  
68, 16.380, 165.555

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 41.846, 162.497 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(96, 198, 155)` looks like.

```
.text, #text, p{  
    color:rgb(96, 198, 155)  
}
```

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(96, 198, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 198, 155) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 41.846, 162.497 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(96, 198, 155) }
```

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

```
.border{ border-color:rgb(96, 198, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 198, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 198, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 198, 155);  
box-shadow:4px 4px 4px 4px rgb(96, 198,  
155) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 41.846, 162.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 198, 155) }
```

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

```
.background{ background-color: rgb(96, 198,  
155) }
```

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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