

# Converting Colors

CIELCh(72, 36.481, 196.697)

Have a look what the booklet for  
CIELCh(72, 36.481, 196.697)  
contains.

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# Color

**CIELCh(72, 36.432, 196.695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DC2C2
RGB	61, 194, 194
RGB Percent	24%, 76%, 76%
CMY	0.7625, 0.2376, 0.2376
CMYK	0.69, 0.00, 0.00, 0.24
HSL	180°, 52%, 50%
HSV	180°, 69%, 76%
XYZ	31.0650, 43.6590, 58.0690
YIQ	154.2330, -79.2680, -28.1960

# Conversions

## Conversions Part 2

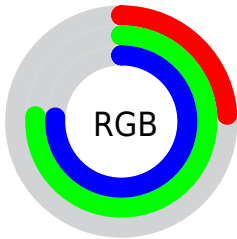
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 128, 194
Decimal	4047554
CIELab	72.00, -34.90, -10.47
CIELCh	72, 36.432, 196.695
Yxy	43.6590, 0.2339, 0.3288
Android (android.graphics.Color)	4282237634 (0xFF3DC2C2)
YUV	154.2330, 19.6051, -81.7653
Hunter-Lab	66.0750, -31.7099, -5.8536

# Details

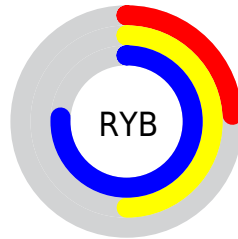
The CIELCh color **72, 36.432, 196.695** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **46, 61.300, 29.980**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 36.295, 196.335**, and **53, 32.078, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **72, 38.684, 196.534**, and if you desaturate by 10%, it is **72, 33.294, 196.919**.

# Distribution



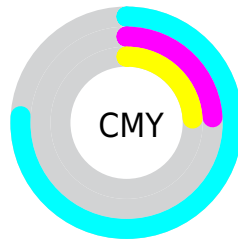
- Red (24%)
- Green (76%)
- Blue (76%)



- Red (24%)
- Yellow (50%)
- Blue (76%)



- Cyan (69%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)




- Cyan (76%)
- Magenta (24%)
- Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 36.432, 196.695 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, 36.432, 196.695 by changing the saturation by 10% instead.





 72, 36.432,  
196.695


 72, 36.432,  
196.695


 100, 36.432,  
196.695


 62, 36.432,  
196.695


 92, 36.432,  
196.695

 52, 36.432,  
196.695

 42, 36.432,  
196.695

 32, 36.432,  
196.695

 22, 36.432,  
196.695

 12, 36.432,  
196.695

 2, 36.432, 196.695

0, 36.432, 196.695

72, 36.432,  
196.695

72, 36.432,  
196.695

72, 38.684,  
196.534

72, 33.294,  
196.919

71, 40.089,  
196.434

73, 29.289,  
197.209

71, 40.796,  
196.384

74, 24.477,  
197.564

71, 40.863,  
196.379

75, 18.949,  
197.980

76, 12.813,  
198.456

77, 6.184, 199.009

■ 79, 0.829, 18.815

■ 80, 8.125, 19.975

■ 82, 15.614, 20.604

# Harmonies

# Complementary

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



72, 36.432, 196.695



46, 61.300, 29.980

# Rectangle

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



72, 36.432, 196.695



72, 36.432, 246.695



72, 36.432, 16.695



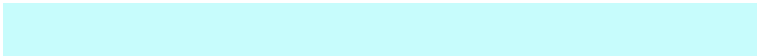
72, 36.432, 66.695

# Sweetspot

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



72, 36.432, 196.694



96, 17.515, 198.332



70, 81.638, 138.034



51, 11.839, 198.196



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, 36.432, 196.694



91, 48.140, 196.472



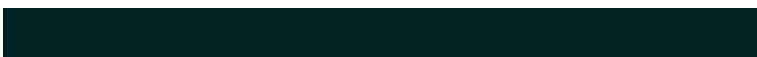
53, 40.099, 269.095



40, 3.949, 198.977



60, 35.476, 196.379



11, 12.444, 196.387



# Inverse Universe

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



46, 61.300, 29.980



55, 91.626, 35.344



59, 49.901, 65.130



38, 4.187, 19.916



33, 73.726, 39.722

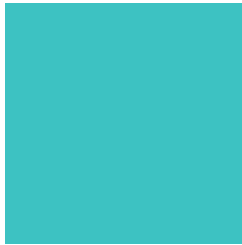


3, 13.999, 19.402



# Previews

## White Background



This preview shows how the CIELCh color 72, 36.432, 196.695 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, 36.432, 196.695 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

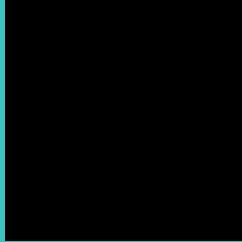
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

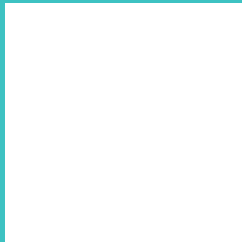
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 72, 36.432, 196.695

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 36.432, 196.695.

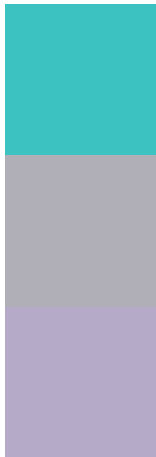


This preview shows how white text looks on a background with the CIELCh color 72, 36.432, 196.695.

# 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

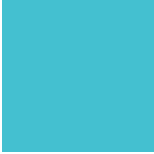


**Original Color**  
72, 36.293, 196.705

**Protanopia**  
71, 4.442, 300.175

**Deuteranopia**  
72, 16.289, 304.292





**Tritanopia**  
72, 33.928, 212.120

# Trichromacy



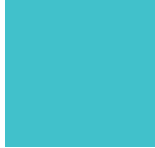
**Original Color**  
72, 36.293, 196.705



**Protanomaly**  
71, 16.238, 209.926



**Deuteranomaly**  
71, 17.044, 233.946



**Tritanomaly**  
72, 34.651, 206.066

# Monochromacy



**Original Color**  
72, 36.293, 196.705



**Achromatopsia**  
64, 0.008, 296.813



**Achromatomaly**  
66, 17.004, 197.991

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 36.432, 196.695 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(61, 194, 194)` looks like.

```
.text, #text, p{  
    color:rgb(61, 194, 194)  
}
```

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(61, 194, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 194, 194) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 36.432, 196.695 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(61, 194, 194) }
```

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

```
.border{ border-color:rgb(61, 194, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 194, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 194, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 194, 194);  
box-shadow:4px 4px 4px 4px rgb(61, 194,  
194) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 36.432, 196.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 194, 194) }
```

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

```
.background{ background-color: rgb(61, 194,  
194) }
```

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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