

# Converting Colors

CIELCh(69, 26.076, 209.866)

Have a look what the booklet for  
CIELCh(69, 26.076, 209.866)  
contains.

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**Color**

**CIELCh(69, 26.191, 209.687)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61B5BF
RGB	97, 181, 191
RGB Percent	38%, 71%, 75%
CMY	0.6196, 0.2902, 0.2510
CMYK	0.49, 0.05, 0.00, 0.25
HSL	186°, 42%, 56%
HSV	186°, 49%, 75%
XYZ	30.8522, 39.3444, 55.2511
YIQ	157.0240, -53.2740, -14.6980

# Conversions

## Conversions Part 2

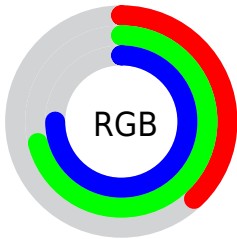
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 141, 191
Decimal	6403519
CIELab	69.00, -22.75, -12.97
CIElCh	69, 26.191, 209.687
Yxy	39.3444, 0.2459, 0.3136
Android (android.graphics.Color)	4284593599 (0xFF61B5BF)
YUV	157.0240, 16.7502, -52.6410
Hunter-Lab	62.7251, -21.9712, -8.3177

# Details

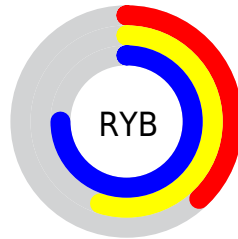
The CIELCh color **69, 26.191, 209.687** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **55, 38.181, 32.170**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 26.064, 209.442**, and **49, 26.272, 209.997** is the 20% darker color. If you saturate the color by 10%, you get **68, 29.688, 210.254**, and if you desaturate by 10%, it is **70, 21.953, 209.325**.

# Distribution



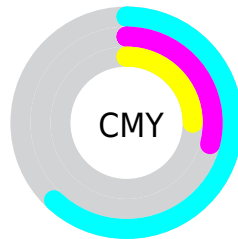
- Red (38%)
- Green (71%)
- Blue (75%)



- Red (38%)
- Yellow (55%)
- Blue (75%)



- Cyan (49%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)




- Cyan (62%)
- Magenta (29%)
- Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 26.191, 209.687 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 69, 26.191, 209.687 by changing the saturation by 10% instead.



 69, 26.191,  
209.687

 69, 26.191,  
209.687


 100, 26.191,  
209.687


 59, 26.191,  
209.687


 89, 26.191,  
209.687

 49, 26.191,  
209.687

 99, 26.191,  
209.687

 39, 26.191,  
209.687

 29, 26.191,  
209.687

 19, 26.191,  
209.687

 9, 26.191, 209.687

 0, 26.191, 209.687

69, 26.191,  
209.687

69, 26.191,  
209.687

68, 29.688,  
210.254

70, 21.953,  
209.325

67, 32.380,  
211.074

72, 17.064,  
209.140

66, 34.241,  
212.185

74, 11.626,  
209.102

65, 35.299,  
213.627

76, 5.740, 209.209

64, 35.716,  
215.389

77, 0.499, 28.185

80, 7.006, 29.400

64, 35.742,  
215.530

82, 13.709, 29.704

84, 20.547, 30.021

85, 22.026, 32.229



# Harmonies

# Complementary

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



69, 26.191, 209.687



55, 38.181, 32.170

# Rectangle

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



69, 26.191, 209.687



69, 26.191, 259.687



69, 26.191, 29.687



69, 26.191, 79.687

# Sweetspot

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



69, 26.191, 209.685



94, 11.334, 209.125



70, 57.075, 143.139



50, 7.745, 209.110



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



69, 26.191, 209.685



86, 36.323, 210.304



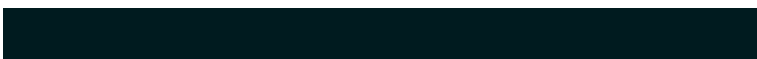
56, 33.603, 274.575



39, 3.494, 209.206



54, 31.109, 215.226



8, 10.161, 212.070



# Inverse Universe

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



55, 56.522, 330.327



66, 81.122, 330.925



66, 35.468, 78.859



37, 6.571, 327.978



36, 74.451, 332.914

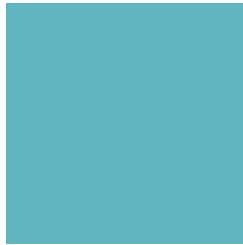


3, 19.348, 329.555



# Previews

## White Background



This preview shows how the CIELCh color 69, 26.191, 209.687 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 69, 26.191, 209.687 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

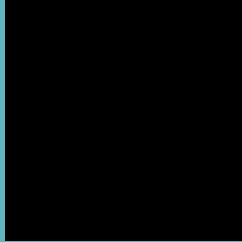
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

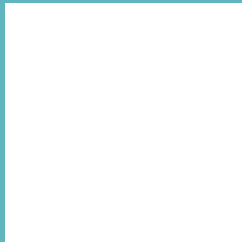
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 69, 26.191, 209.687**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 26.191, 209.687.

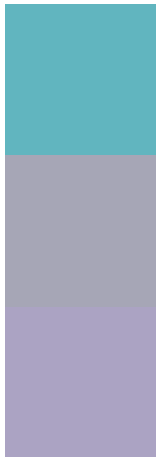


This preview shows how white text looks on a background with the CIELCh color 69, 26.191, 209.687.

# 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**  
69, 26.191, 209.687

**Protanopia**  
69, 8.807, 291.074

**Deuteranopia**  
69, 17.909, 301.022





**Tritanopia**  
69, 25.953, 216.278

# Trichromacy



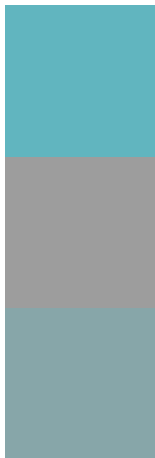
**Original Color**  
69, 26.191, 209.687

**Protanomaly**  
68, 12.733, 236.170

**Deuteranomaly**  
68, 15.628, 257.036

**Tritanomaly**  
69, 25.884, 215.022

# Monochromacy



**Original Color**  
69, 26.191, 209.687

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
66, 11.164, 207.122

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 26.191, 209.687 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(97, 181, 191)` looks like.

```
.text, #text, p{  
    color:rgb(97, 181, 191)  
}
```

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(97, 181, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 181, 191) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 26.191, 209.687 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(97, 181, 191) }
```

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

```
.border{ border-color:rgb(97, 181, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 181, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 181, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 181, 191);  
box-shadow:4px 4px 4px 4px rgb(97, 181,  
191) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 26.191, 209.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 181, 191) }
```

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

```
.background{ background-color: rgb(97, 181,  
191) }
```

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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