

# Converting Colors

CIELCh(64, 27.558, 210.775)

Have a look what the booklet for  
CIELCh(64, 27.558, 210.775)  
contains.

<b>CIELCh(64, 27.498, 210.294)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(64, 27.498, 210.294)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DA8B3
RGB	77, 168, 179
RGB Percent	30%, 66%, 70%
CMY	0.6984, 0.3415, 0.2983
CMYK	0.57, 0.06, 0.00, 0.30
HSL	186°, 40%, 50%
HSV	186°, 57%, 70%
XYZ	25.1702, 32.8017, 47.6105
YIQ	142.0450, -57.7670, -15.8710

# Conversions

## Conversions Part 2

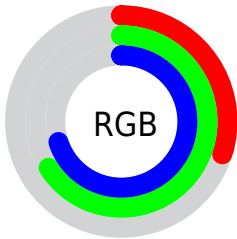
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 125, 179
Decimal	5089459
CIELab	64.00, -23.74, -13.87
CIELCh	64, 27.498, 210.294
Yxy	32.8017, 0.2384, 0.3107
Android (android.graphics.Color)	4283279539 (0xFF4DA8B3)
YUV	142.0450, 18.2188, -57.0445
Hunter-Lab	57.2727, -21.7803, -9.1965

# Details

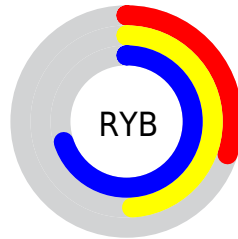
The CIELCh color **64, 27.498, 210.294** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **48, 43.011, 33.298**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 27.377, 211.172**, and **44, 27.012, 209.646** is the 20% darker color. If you saturate the color by 10%, you get **63, 30.242, 211.058**, and if you desaturate by 10%, it is **65, 24.006, 209.767**.

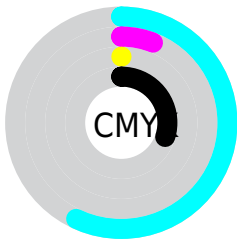
# Distribution



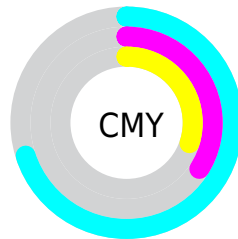
- Red (30%)
- Green (66%)
- Blue (70%)



- Red (30%)
- Yellow (49%)
- Blue (70%)



- Cyan (57%)
- Magenta (6%)
- Yellow (0%)
- Black (30%)



- Cyan (70%)
- Magenta (34%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 27.498, 210.294 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 64, 27.498, 210.294 by changing the saturation by 10% instead.



 64, 27.498,  
210.294

 64, 27.498,  
210.294


 100, 27.498,  
210.294

 54, 27.498,  
210.294


 84, 27.498,  
210.294

 44, 27.498,  
210.294

 94, 27.498,  
210.294

 34, 27.498,  
210.294

 24, 27.498,  
210.294

 14, 27.498,  
210.294

 4, 27.498, 210.294

 0, 27.498, 210.294

64, 27.498,  
210.294

64, 27.498,  
210.294

63, 30.242,  
211.058

65, 24.006,  
209.767

62, 32.205,  
212.105

67, 19.836,  
209.443

61, 33.398,  
213.476

68, 15.074,  
209.286

60, 33.918,  
215.189

70, 9.817, 209.272

60, 34.027,  
215.726

72, 4.159, 209.417

73, 1.813, 29.168

75, 8.021, 29.607

78, 14.401, 29.905

80, 20.899, 30.220



# Harmonies

# Complementary

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



64, 27.498, 210.294



48, 43.011, 33.298

# Rectangle

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



64, 27.498, 210.294



64, 27.498, 260.294



64, 27.498, 30.294



64, 27.498, 80.294

# Sweetspot

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



64, 27.498, 210.292



88, 12.110, 209.271



65, 61.837, 142.225



47, 8.115, 209.264



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



64, 27.498, 210.292



80, 37.329, 211.257



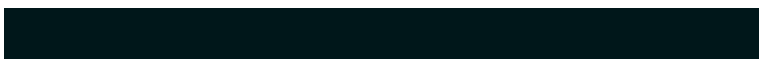
49, 37.006, 276.702



37, 3.334, 209.362



52, 30.345, 215.460



6, 7.938, 214.619



# Inverse Universe

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



49, 60.825, 330.802



59, 85.464, 331.458



60, 39.244, 77.769



35, 6.269, 328.019



35, 72.616, 332.972



2, 14.562, 329.131



# Previews

## White Background



This preview shows how the CIELCh color 64, 27.498, 210.294 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 64, 27.498, 210.294 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

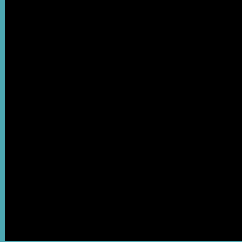
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

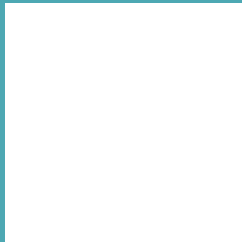
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 64, 27.498, 210.294

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 27.498, 210.294.



This preview shows how white text looks on a background with the CIELCh color 64, 27.498, 210.294.

# 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**  
64, 27.498, 210.294

**Protanopia**  
64, 8.941, 288.790

**Deuteranopia**  
64, 17.975, 296.597





**Tritanopia**  
64, 27.342, 212.856

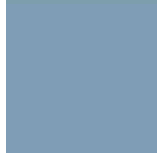
# Trichromacy



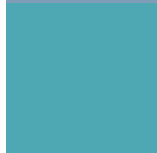
**Original Color**  
64, 27.498, 210.294



**Protanomaly**  
63, 13.914, 235.895



**Deuteranomaly**  
63, 16.937, 254.856

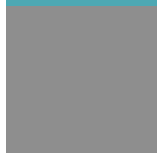


**Tritanomaly**  
64, 27.315, 211.631

# Monochromacy



**Original Color**  
64, 27.498, 210.294



**Achromatopsia**  
59, 0.008, 296.813



**Achromatomaly**  
60, 11.992, 209.299

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 27.498, 210.294 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(77, 168, 179)` looks like.

```
.text, #text, p{  
    color:rgb(77, 168, 179)  
}
```

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(77, 168, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 168, 179) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 27.498, 210.294 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(77, 168, 179) }
```

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

```
.border{ border-color:rgb(77, 168, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 168, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 168, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 168, 179);  
box-shadow:4px 4px 4px 4px rgb(77, 168,  
179) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 27.498, 210.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 168, 179) }
```

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

```
.background{ background-color: rgb(77, 168,  
179) }
```

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