

# Converting Colors

CIELCh(64, 36.382, 239.904)

Have a look what the booklet for  
CIELCh(64, 36.382, 239.904)  
contains.

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# Color

**CIELCh(64, 36.269, 239.499)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BA7D2
RGB	43, 167, 210
RGB Percent	17%, 65%, 82%
CMY	0.8313, 0.3451, 0.1765
CMYK	0.80, 0.20, 0.00, 0.18
HSL	195°, 66%, 50%
HSV	195°, 80%, 82%
XYZ	26.4457, 32.8017, 65.9061
YIQ	134.8260, -87.7070, -12.9150

# Conversions

## Conversions Part 2

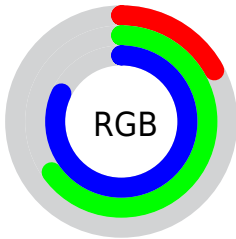
Format	Color
R <sub>Y</sub> B	43, 114, 210
Decimal	2861010
CIE Lab	64.00, -18.41, -31.25
CIE LCh	64, 36.269, 239.499
Yxy	32.8017, 0.2113, 0.2621
Android (android.graphics.Color)	4281051090 (0xFF2BA7D2)
YUV	134.8260, 37.0608, -80.5314
Hunter-Lab	57.2727, -17.8049, -28.1366

# Details

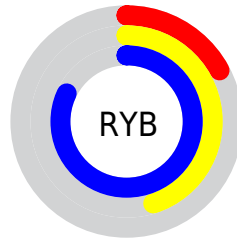
The CIELCh color **64, 36.269, 239.499** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **52, 67.060, 45.805**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 33.613, 229.267**, and **45, 31.710, 247.198** is the 20% darker color. If you saturate the color by 10%, you get **62, 38.251, 243.467**, and if you desaturate by 10%, it is **66, 33.723, 236.223**.

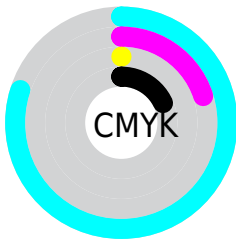
# Distribution



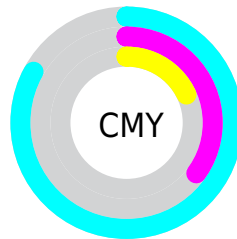
- Red (17%)
- Green (65%)
- Blue (82%)



- Red (17%)
- Yellow (45%)
- Blue (82%)



- Cyan (80%)
- Magenta (20%)
- Yellow (0%)
- Black (18%)



- Cyan (83%)
- Magenta (35%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 36.269, 239.499 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, 36.269, 239.499 by changing the saturation by 10% instead.



 64, 36.269,  
239.499

 64, 36.269,  
239.499

 100, 36.269,  
239.499

 54, 36.269,  
239.499

 84, 36.269,  
239.499

 44, 36.269,  
239.499

 94, 36.269,  
239.499

 34, 36.269,  
239.499

 24, 36.269,  
239.499

 14, 36.269,  
239.499

 4, 36.269, 239.499

 0, 36.269, 239.499

64, 36.269,  
239.499

64, 36.269,  
239.499

62, 38.251,  
243.467

66, 33.723,  
236.223

60, 39.885,  
248.019

68, 30.534,  
233.583

60, 39.966,  
248.237

71, 26.688,  
231.494

73, 22.225,  
229.862

76, 17.212,  
228.603

79, 11.732,  
227.645

81, 5.869, 226.951

84, 0.299, 44.478



# Harmonies

# Complementary

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



64, 36.269, 239.499



52, 67.060, 45.805

# Rectangle

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



64, 36.269, 239.499



64, 36.269, 289.499



64, 36.269, 59.499



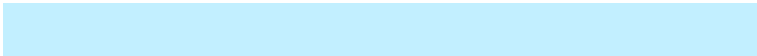
64, 36.269, 109.499

# Sweetspot

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



64, 36.268, 239.499



92, 16.656, 228.065



74, 82.738, 143.200



48, 11.315, 228.425



0, 0.000, 0.000



53, 0.007, 296.813



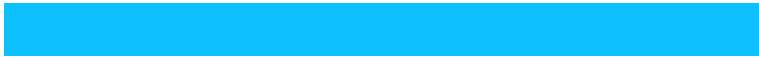


# Same Dimension

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



64, 36.268, 239.499



73, 45.523, 246.430



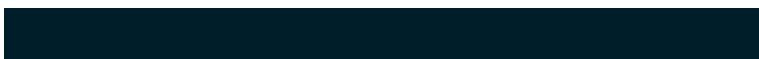
41, 75.281, 294.512



43, 3.487, 226.945



49, 33.735, 247.426



10, 12.348, 236.909



# Inverse Universe

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



50, 78.028, 339.166



57, 94.594, 341.411



71, 65.305, 86.823



41, 6.427, 333.206



38, 69.646, 341.746



5, 25.502, 338.562



# Previews

## White Background



This preview shows how the CIE LCh color 64, 36.269, 239.499 looks on a white background.

## Color Contrast Check

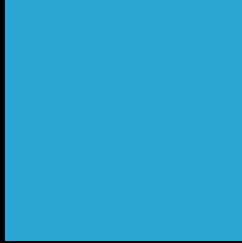
Large Text (above 18pt) WCAG AA × Fail

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, 36.269, 239.499 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, 36.269, 239.499**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 64, 36.269, 239.499.

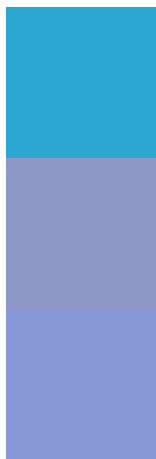


This preview shows how white text looks on a background with the CIELCh color 64, 36.269, 239.499.

# 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, 36.269, 239.499

### Protanopia

64, 26.359, 285.754

### Deuteranopia

64, 34.297, 284.362





**Tritanopia**  
64, 35.826, 209.426

# Trichromacy



**Original Color**  
64, 36.269, 239.499

**Protanomaly**  
63, 29.198, 261.306

**Deuteranomaly**  
63, 33.833, 265.093

**Tritanomaly**  
64, 35.275, 219.527

# Monochromacy



**Original Color**  
64, 36.269, 239.499

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
58, 17.080, 228.366

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 36.269, 239.499 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(43, 167, 210)` looks like.

```
.text, #text, p{  
    color:rgb(43, 167, 210)  
}
```

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(43, 167, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 167, 210) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 36.269, 239.499 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(43, 167, 210) }
```

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

```
.border{ border-color:rgb(43, 167, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 167, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 167, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 167, 210);  
box-shadow:4px 4px 4px 4px rgb(43, 167,  
210) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 36.269, 239.499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 167, 210) }
```

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

```
.background{ background-color: rgb(43, 167,  
210) }
```

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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