

# Converting Colors

CIELCh(65, 29.267, 205.645)

Have a look what the booklet for  
CIELCh(65, 29.267, 205.645)  
contains.

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**Color**

**CIELCh(65, 29.410, 204.765)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48ACB3
RGB	72, 172, 179
RGB Percent	28%, 67%, 70%
CMY	0.7185, 0.3262, 0.2988
CMYK	0.60, 0.04, 0.00, 0.30
HSL	184°, 43%, 49%
HSV	184°, 60%, 70%
XYZ	25.4886, 34.0472, 47.7734
YIQ	142.8980, -61.8470, -19.0230

# Conversions

## Conversions Part 2

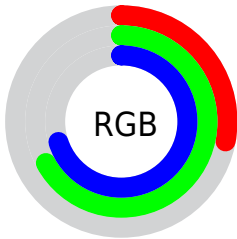
<b>Format</b>	<b>Color</b>
<b>RYB</b>	72, 124, 179
Decimal	4762803
CIELab	65.00, -26.71, -12.32
CIELCh	65, 29.410, 204.765
Yxy	34.0472, 0.2375, 0.3173
Android (android.graphics.Color)	4282952883 (0xFF48ACB3)
YUV	142.8980, 17.7983, -62.1775
Hunter-Lab	58.3500, -24.1396, -7.6981

# Details

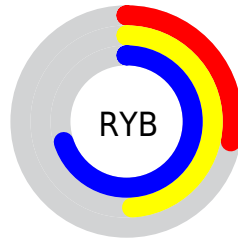
The CIELCh color **65, 29.410, 204.765** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **46, 46.874, 31.021**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 29.520, 204.731**, and **45, 27.688, 205.362** is the 20% darker color. If you saturate the color by 10%, you get **64, 32.028, 205.141**, and if you desaturate by 10%, it is **66, 26.005, 204.554**.

# Distribution



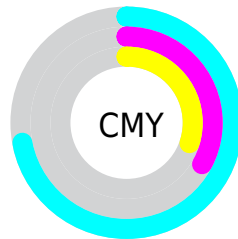
- Red (28%)
- Green (67%)
- Blue (70%)



- Red (28%)
- Yellow (49%)
- Blue (70%)



- Cyan (60%)
- Magenta (4%)
- Yellow (0%)
- Black (30%)




- Cyan (72%)
- Magenta (33%)
- Yellow (30%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 29.410, 204.765 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 65, 29.410, 204.765 by changing the saturation by 10% instead.





 65, 29.410,  
204.765


 65, 29.410,  
204.765


 100, 29.410,  
204.765


 55, 29.410,  
204.765


 85, 29.410,  
204.765

 45, 29.410,  
204.765

 95, 29.410,  
204.765

 35, 29.410,  
204.765

 25, 29.410,  
204.765

 15, 29.410,  
204.765

 5, 29.410, 204.765

 0, 29.410, 204.765

65, 29.410,  
204.765

65, 29.410,  
204.765

64, 32.028,  
205.141

66, 26.005,  
204.554

63, 33.838,  
205.709

67, 21.875,  
204.490

63, 34.869,  
206.486

68, 17.102,  
204.552

62, 35.305,  
207.445

70, 11.784,  
204.723

62, 35.310,  
207.460

71, 6.022, 205.006

73, 0.092, 19.635

75, 6.469, 25.508

77, 13.037, 25.947

79, 19.734, 26.387



# Harmonies

# Complementary

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



65, 29.410, 204.765



46, 46.874, 31.021

# Rectangle

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



65, 29.410, 204.765



65, 29.410, 254.765



65, 29.410, 24.765



65, 29.410, 74.765

# Sweetspot

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



65, 29.410, 204.763



88, 13.270, 204.759



65, 66.591, 140.543



47, 9.210, 204.694



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



65, 29.410, 204.763



81, 39.776, 205.310



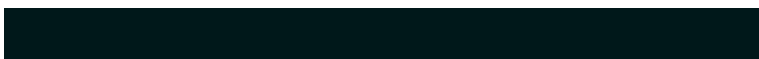
50, 36.140, 272.950



37, 3.460, 205.025



54, 31.503, 207.313



6, 8.321, 208.186



# Inverse Universe

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



48, 65.065, 329.485



58, 91.215, 330.072



58, 40.480, 72.733



35, 6.456, 326.744



36, 75.036, 330.974

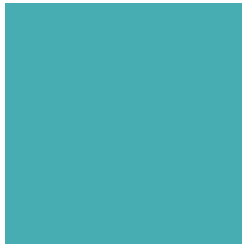


3, 15.198, 327.217



# Previews

## White Background



This preview shows how the CIE LCh color 65, 29.410, 204.765 looks on a white background.

## Color Contrast Check

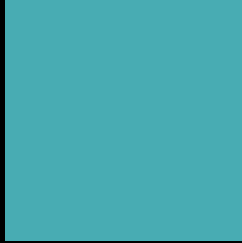
Large Text (above 18pt) WCAG AA × Fail

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 65, 29.410, 204.765 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

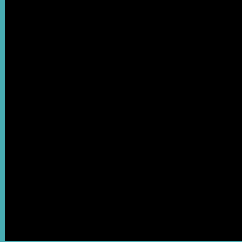
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 29.410, 204.765

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 29.410, 204.765.

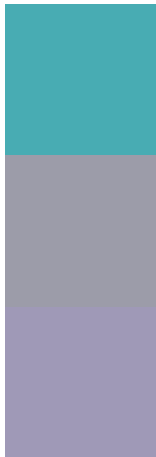


This preview shows how white text looks on a background with the CIELCh color 65, 29.410, 204.765.

# 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**  
65, 29.410, 204.765

**Protanopia**  
65, 7.239, 290.952

**Deuteranopia**  
65, 16.906, 299.210





**Tritanopia**  
65, 28.766, 213.119

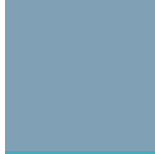
# Trichromacy



**Original Color**  
65, 29.410, 204.765



**Protanomaly**  
64, 14.004, 224.547



**Deuteranomaly**  
64, 15.884, 246.515



**Tritanomaly**  
65, 28.910, 210.688

# Monochromacy



**Original Color**  
65, 29.410, 204.765



**Achromatopsia**  
59, 0.008, 296.813



**Achromatomaly**  
61, 12.920, 205.853

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 29.410, 204.765 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(72, 172, 179)` looks like.

```
.text, #text, p{  
    color:rgb(72, 172, 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(72, 172, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 172, 179) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 29.410, 204.765 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(72, 172, 179) }
```

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

```
.border{ border-color:rgb(72, 172, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 172, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 172, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 172, 179);  
box-shadow:4px 4px 4px 4px rgb(72, 172,  
179) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 29.410, 204.765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 172, 179) }
```

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

```
.background{ background-color: rgb(72, 172,  
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](#).

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