

# Converting Colors

CIELCh(65, 26.378, 226.010)

Have a look what the booklet for  
CIELCh(65, 26.378, 226.010)  
contains.

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# **Color**

**CIELCh(65, 26.441, 225.493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	58A9BF
RGB	88, 169, 191
RGB Percent	35%, 66%, 75%
CMY	0.6564, 0.3386, 0.2524
CMYK	0.54, 0.12, 0.00, 0.25
HSL	193°, 44%, 55%
HSV	193°, 54%, 75%
XYZ	27.4757, 34.0472, 54.2071
YIQ	147.2890, -55.3380, -10.3300

# Conversions

## Conversions Part 2

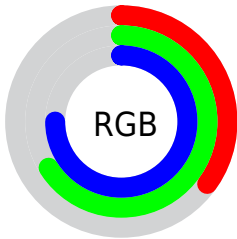
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 133, 191
Decimal	5810623
CIE <sub>Lab</sub>	65.00, -18.54, -18.86
CIE <sub>LCh</sub>	65, 26.441, 225.493
Yxy	34.0472, 0.2374, 0.2942
Android (android.graphics.Color)	4284000703 (0xFF58A9BF)
YUV	147.2890, 21.5495, -51.9965
Hunter-Lab	58.3500, -18.0608, -14.2354

# Details

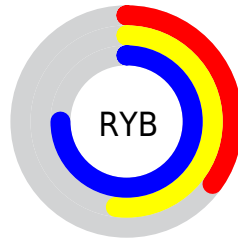
The CIELCh color **65, 26.441, 225.493** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **55, 39.747, 41.201**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 26.371, 225.543**, and **45, 26.512, 225.696** is the 20% darker color. If you saturate the color by 10%, you get **63, 29.580, 227.338**, and if you desaturate by 10%, it is **67, 22.644, 224.071**.

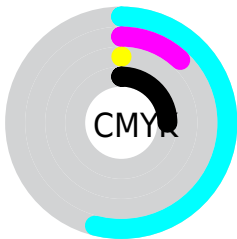
# Distribution



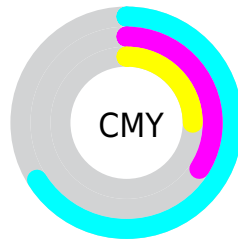
- Red (35%)
- Green (66%)
- Blue (75%)



- Red (35%)
- Yellow (52%)
- Blue (75%)



- Cyan (54%)
- Magenta (12%)
- Yellow (0%)
- Black (25%)




- Cyan (66%)
- Magenta (34%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 26.441, 225.493 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, 26.441, 225.493 by changing the saturation by 10% instead.




 65, 26.441,  
225.493

 65, 26.441,  
225.493


 100, 26.441,  
225.493


 55, 26.441,  
225.493


 85, 26.441,  
225.493

 45, 26.441,  
225.493

 95, 26.441,  
225.493

 35, 26.441,  
225.493

 25, 26.441,  
225.493

 15, 26.441,  
225.493

 5, 26.441, 225.493

 0, 26.441, 225.493

65, 26.441,  
225.493

65, 26.441,  
225.493

63, 29.580,  
227.338

67, 22.644,  
224.071

61, 32.030,  
229.698

69, 18.256,  
222.998

60, 33.811,  
232.651

71, 13.357,  
222.207

58, 35.012,  
236.252

74, 8.034, 221.650

58, 35.593,  
238.594

76, 2.369, 221.394

79, 3.563, 40.751

81, 9.698, 40.670

84, 15.981, 40.598

86, 20.802, 42.046



# Harmonies

# Complementary

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



65, 26.441, 225.493



55, 39.747, 41.201

# Rectangle

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



65, 26.441, 225.493



65, 26.441, 275.493



65, 26.441, 45.493



65, 26.441, 95.493

# Sweetspot

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



65, 26.440, 225.491



92, 11.245, 221.754



70, 57.825, 145.577



49, 7.608, 221.862



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



65, 26.440, 225.491



80, 36.635, 227.766



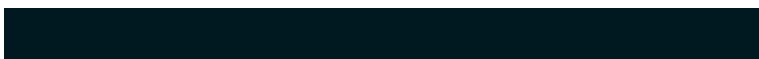
51, 42.463, 283.638



39, 3.256, 221.469



48, 30.928, 237.950



7, 9.474, 231.020



# Inverse Universe

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



53, 57.003, 334.685



63, 81.201, 335.635



67, 41.537, 86.675



37, 6.093, 331.557



35, 68.674, 338.831



3, 17.397, 334.938



# Previews

## White Background



This preview shows how the CIE LCh color 65, 26.441, 225.493 looks on a white background.

## Color Contrast Check

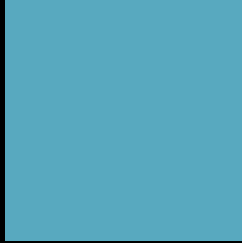
Large Text (above 18pt) WCAG AA × Fail

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, 26.441, 225.493 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

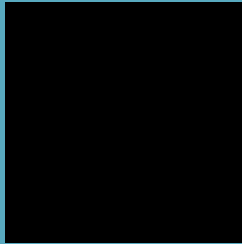
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 65, 26.441, 225.493**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 65, 26.441, 225.493.



This preview shows how white text looks on a background with the CIELCh color 65, 26.441, 225.493.

# 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, 26.441, 225.493

### Protanopia

65, 14.509, 286.096

### Deuteranopia

65, 22.277, 291.623





**Tritanopia**  
65, 26.412, 214.753

# Trichromacy



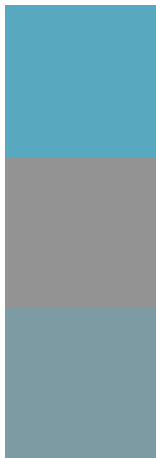
**Original Color**  
65, 26.441, 225.493

**Protanomaly**  
65, 16.833, 251.688

**Deuteranomaly**  
64, 20.982, 264.108

**Tritanomaly**  
65, 26.341, 217.426

# Monochromacy



**Original Color**  
65, 26.441, 225.493

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
62, 11.452, 221.760

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 26.441, 225.493 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(88, 169, 191)` looks like.

```
.text, #text, p{  
    color:rgb(88, 169, 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(88, 169, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 169, 191) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 26.441, 225.493 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(88, 169, 191) }
```

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

```
.border{ border-color:rgb(88, 169, 191) }
```

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

Here you see how a box with a 4 pixel rgb(88, 169, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 169, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 169, 191);  
box-shadow:4px 4px 4px 4px rgb(88, 169,  
191) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 26.441, 225.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 169, 191) }
```

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

```
.background{ background-color: rgb(88, 169,  
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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