

# Converting Colors

CIELCh(65, 28.183, 129.917)

Have a look what the booklet for  
CIELCh(65, 28.183, 129.917)  
contains.

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# **Color**

**CIELCh(65, 28.508, 129.932)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8BA676
RGB	139, 166, 118
RGB Percent	55%, 65%, 46%
CMY	0.4551, 0.3492, 0.5374
CMYK	0.16, 0.00, 0.29, 0.35
HSL	94°, 21%, 56%
HSV	94°, 29%, 65%
XYZ	27.5347, 34.0472, 22.2460
YIQ	152.4550, -0.6840, -20.6520

# Conversions

## Conversions Part 2

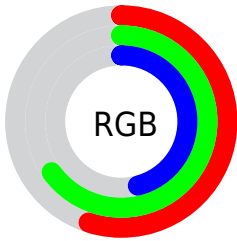
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 166, 145
Decimal	9152118
CIELab	65.00, -18.30, 21.86
CIELCh	65, 28.508, 129.932
Yxy	34.0472, 0.3285, 0.4062
Android (android.graphics.Color)	4287342198 (0xFF8BA676)
YUV	152.4550, -16.9863, -11.8000
Hunter-Lab	58.3500, -17.8804, 18.2406

# Details

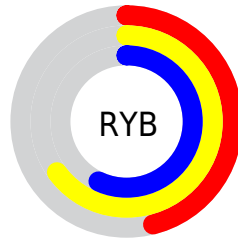
The CIELCh color **65, 28.508, 129.932** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **54, 29.488, 312.510**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 28.641, 129.727**, and **45, 28.621, 130.005** is the 20% darker color. If you saturate the color by 10%, you get **64, 38.196, 129.453**, and if you desaturate by 10%, it is **66, 18.671, 130.409**.

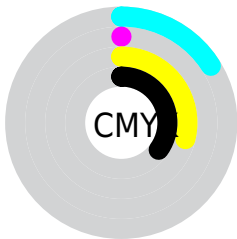
# Distribution



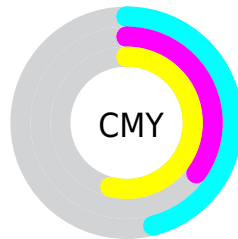
- Red (55%)
- Green (65%)
- Blue (46%)



- Red (46%)
- Yellow (65%)
- Blue (57%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (35%)




- Cyan (46%)
- Magenta (35%)
- Yellow (54%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 28.508, 129.932 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, 28.508, 129.932 by changing the saturation by 10% instead.





 65, 28.508,  
129.932


 65, 28.508,  
129.932


 100, 28.508,  
129.932


 55, 28.508,  
129.932


 85, 28.508,  
129.932

 45, 28.508,  
129.932

 95, 28.508,  
129.932

 35, 28.508,  
129.932

 25, 28.508,  
129.932

 15, 28.508,  
129.932

 5, 28.508, 129.932

 0, 28.508, 129.932

65, 28.508,  
129.932

65, 28.508,  
129.932

64, 38.196,  
129.453

66, 18.671,  
130.409

63, 47.580,  
129.000

67, 8.787, 130.865

63, 56.444,  
128.626

68, 1.066, 311.153

62, 64.489,  
128.413

69, 10.834,  
311.633

61, 71.329,  
128.472

71, 20.480,  
311.978

61, 76.562,  
128.926

72, 29.977,  
312.283


61, 80.181,  
129.754

74, 39.306,  
312.552

60, 80.546,

75, 48.457,  
312.789

129.835

 76, 51.441,  
315.349

# Harmonies

# Complementary

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



65, 28.508, 129.932



54, 29.488, 312.510

# Rectangle

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



65, 28.508, 129.932



65, 28.508, 179.932



65, 28.508, 309.932



65, 28.508, 359.932

# Sweetspot

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



65, 28.510, 129.933



85, 11.015, 130.854



61, 17.463, 76.958



45, 7.719, 130.791



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



65, 28.510, 129.933



82, 42.763, 129.609



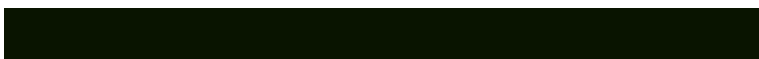
64, 31.504, 143.819



35, 5.638, 130.848



54, 73.896, 129.684



5, 10.449, 133.263



# Inverse Universe

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



54, 29.488, 312.510



65, 44.608, 312.834



56, 31.515, 327.397



33, 5.703, 311.599



24, 81.891, 313.609



1, 10.121, 308.599



# Previews

## White Background



This preview shows how the CIELCh color 65, 28.508, 129.932 looks on a white background.

## Color Contrast Check

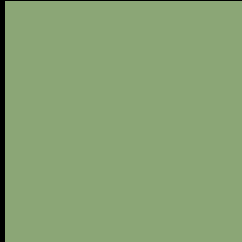
Large Text (above 18pt) WCAG AA × Fail

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, 28.508, 129.932 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

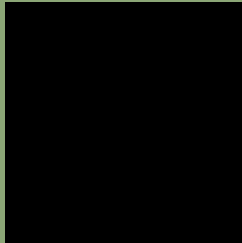
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

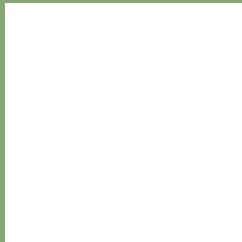
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 65, 28.508, 129.932**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 65, 28.508, 129.932.



This preview shows how white text looks on a background with the CIELCh color 65, 28.508, 129.932.

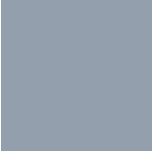
# Color Blindness Simulation

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







**Tritanopia**  
65, 8.338, 259.559

# Trichromacy



**Original Color**  
65, 28.508, 129.932

**Protanomaly**  
65, 24.698, 109.453

**Deuteranomaly**  
65, 20.524, 93.812

**Tritanomaly**  
65, 8.871, 159.935

# Monochromacy



**Original Color**  
65, 28.508, 129.932

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
64, 10.264, 131.652

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 28.508, 129.932 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(139, 166, 118)` looks like.

```
.text, #text, p{  
    color:rgb(139, 166, 118)  
}
```

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(139, 166, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 166, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 28.508, 129.932 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(139, 166, 118) }
```

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

```
.border{ border-color:rgb(139, 166, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 166, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 166, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 166, 118);  
box-shadow:4px 4px 4px 4px rgb(139, 166,  
118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 28.508, 129.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 166, 118) }
```

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

```
.background{ background-color: rgb(139,  
166, 118) }
```

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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