

# Converting Colors

CIELCh(64, 15.608, 135.689)

Have a look what the booklet for  
CIELCh(64, 15.608, 135.689)  
contains.

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# Color

**CIELCh(64, 15.626, 135.685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EA087
RGB	142, 160, 135
RGB Percent	56%, 63%, 53%
CMY	0.4418, 0.3712, 0.4693
CMYK	0.11, 0.00, 0.16, 0.37
HSL	103°, 12%, 58%
HSV	103°, 16%, 63%
XYZ	28.2417, 32.8017, 27.8889
YIQ	151.7680, -2.7030, -11.5910

# Conversions

## Conversions Part 2

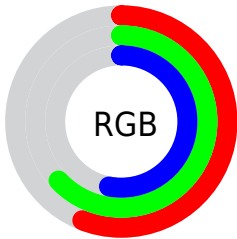
Format	Color
<a href="#">RYB</a>	<a href="#">135, 160, 153</a>
Decimal	<a href="#">9347207</a>
CIELab	<a href="#">64.00, -11.18, 10.92</a>
CIELCh	<a href="#">64, 15.626, 135.685</a>
Yxy	<a href="#">32.8017, 0.3176, 0.3688</a>
Android (android.graphics.Color)	<a href="#">4287537287 (0xFF8EA087)</a>
YUV	<a href="#">151.7680, -8.2666, -8.5665</a>
Hunter-Lab	<a href="#">57.2727, -12.2075, 11.2197</a>

# Details

The CIELCh color  $64, 15.626, 135.685$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $59, 15.799, 317.003$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $84, 15.883, 135.312$ , and  $44, 16.042, 135.046$  is the 20% darker color. If you saturate the color by 10%, you get  $63, 25.682, 135.177$ , and if you desaturate by 10%, it is  $65, 5.582, 136.160$ .

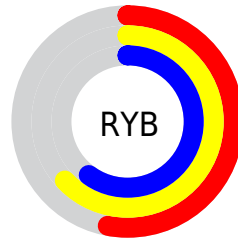
# Distribution



Red (56%)

Green (63%)

Blue (53%)



Red (53%)

Yellow (63%)

Blue (60%)

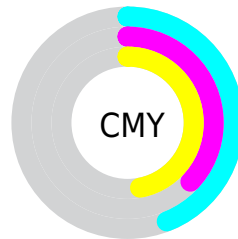


Cyan (11%)

Magenta (0%)

Yellow (16%)

Black (37%)



Cyan (44%)

Magenta (37%)


Yellow (47%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 15.626, 135.685 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, 15.626, 135.685 by changing the saturation by 10% instead.





 64, 15.626,  
135.685

 64, 15.626,  
135.685


 100, 15.626,  
135.685


 54, 15.626,  
135.685


 84, 15.626,  
135.685

 44, 15.626,  
135.685

 94, 15.626,  
135.685

 34, 15.626,  
135.685

 24, 15.626,  
135.685

 14, 15.626,  
135.685

 4, 15.626, 135.685

 0, 15.626, 135.685

64, 15.626,  
135.685

64, 15.626,  
135.685

63, 25.682,  
135.177

65, 5.582, 136.160

62, 35.636,  
134.629

67, 4.375, 316.499

61, 45.337,  
134.061

68, 14.190,  
316.878

60, 54.577,  
133.511

70, 23.822,  
317.191

59, 63.072,  
133.046

71, 33.248,  
317.459

59, 70.454,  
132.764

73, 42.452,  
317.689


58, 76.305,  
132.786


75, 51.429,  
317.886

58, 80.325,

76, 56.207,  
320.011

133.199

 77, 57.679,  
323.726

 58, 81.786,  
133.372

# Harmonies

# Complementary

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



64, 15.626, 135.685



59, 15.799, 317.003

# Rectangle

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



64, 15.626, 135.685



64, 15.626, 185.685



64, 15.626, 315.685



64, 15.626, 5.685

# Sweetspot

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



64, 15.628, 135.686



83, 6.186, 136.184



63, 10.361, 93.041



44, 4.214, 136.153



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



64, 15.628, 135.686



81, 23.650, 135.500



64, 14.648, 150.084



33, 5.585, 135.989



52, 75.017, 133.248



3, 7.326, 136.815



# Inverse Universe

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



59, 15.799, 317.003



73, 23.965, 317.166



59, 14.707, 332.074



31, 5.627, 316.727



26, 77.401, 318.189



1, 7.227, 315.240



# Previews

## White Background



This preview shows how the CIELCh color 64, 15.626, 135.685 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, 15.626, 135.685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

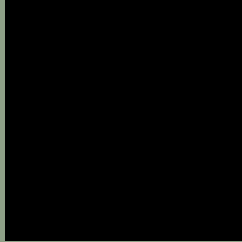
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 64, 15.626, 135.685**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 64, 15.626, 135.685.



This preview shows how white text looks on a background with the CIELCh color 64, 15.626, 135.685.

# 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

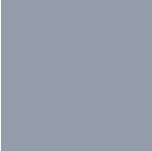


**Original Color**  
64, 15.626, 135.685

**Protanopia**  
64, 12.750, 92.102

**Deuteranopia**  
64, 12.639, 49.007





**Tritanopia**  
64, 7.389, 264.457

# Trichromacy



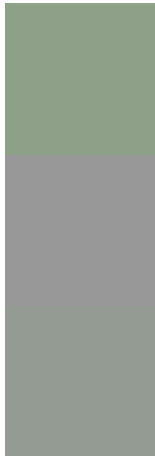
**Original Color**  
64, 15.626, 135.685

**Protanomaly**  
64, 12.757, 110.597

**Deuteranomaly**  
64, 9.940, 82.646

**Tritanomaly**  
64, 5.038, 186.239

# Monochromacy



**Original Color**  
64, 15.626, 135.685

**Achromatopsia**  
63, 0.008, 296.813

**Achromatomaly**  
63, 5.727, 137.922

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 15.626, 135.685 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(142, 160, 135)` looks like.

```
.text, #text, p{  
    color:rgb(142, 160, 135)  
}
```

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(142, 160, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 160, 135) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 15.626, 135.685 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(142, 160, 135) }
```

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

```
.border{ border-color:rgb(142, 160, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 160, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 160, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 160, 135);  
box-shadow:4px 4px 4px 4px rgb(142, 160,  
135) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 15.626, 135.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 160, 135) }
```

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

```
.background{ background-color: rgb(142,  
160, 135) }
```

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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