

# Converting Colors

CIELCh(65, 23.129, 52.886)

Have a look what the booklet for  
CIELCh(65, 23.129, 52.886) contains.

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# Color

**CIELCh(65, 22.849, 52.630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1947E
RGB	193, 148, 126
RGB Percent	76%, 58%, 49%
CMY	0.2429, 0.4194, 0.5057
CMYK	0.00, 0.23, 0.35, 0.24
HSL	20°, 35%, 63%
HSV	20°, 35%, 76%
XYZ	36.3723, 34.0472, 24.4095
YIQ	158.9470, 33.8820, 2.6980

# Conversions

## Conversions Part 2

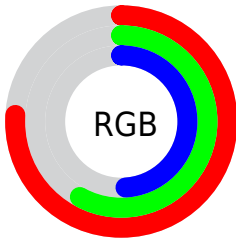
Format	Color
<a href="#">RYB</a>	<a href="#">193, 159, 126</a>
Decimal	<a href="#">12686462</a>
CIELab	<a href="#">65.00, 13.87, 18.16</a>
CIELCh	<a href="#">65, 22.849, 52.630</a>
Yxy	<a href="#">34.0472, 0.3836, 0.3590</a>
Android (android.graphics.Color)	<a href="#">4290876542 (0xFFC1947E)</a>
YUV	<a href="#">158.9470, -16.2429, 29.8645</a>
Hunter-Lab	<a href="#">58.3500, 9.1552, 16.0422</a>

# Details

The CIELCh color **65, 22.849, 52.630** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **68, 18.723, 239.177**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 22.923, 51.973**, and **45, 22.830, 52.128** is the 20% darker color. If you saturate the color by 10%, you get **61, 30.551, 52.101**, and if you desaturate by 10%, it is **69, 15.670, 53.254**.

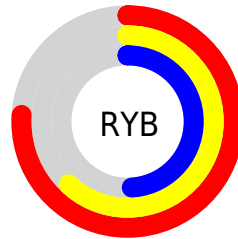
# Distribution



Red (76%)

Green (58%)

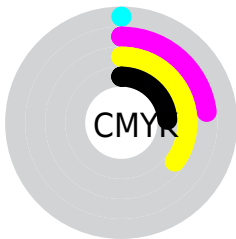
Blue (49%)



Red (76%)

Yellow (62%)

Blue (49%)

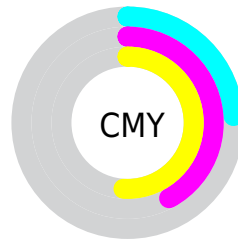


Cyan (0%)

Magenta (23%)

Yellow (35%)

Black (24%)



Cyan (24%)

Magenta (42%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 22.849, 52.630 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, 22.849, 52.630 by changing the saturation by 10% instead.



65, 22.849, 52.630

65, 22.849, 52.630

100, 22.849,  
52.630

55, 22.849, 52.630

85, 22.849, 52.630

45, 22.849, 52.630

95, 22.849, 52.630

35, 22.849, 52.630

25, 22.849, 52.630

15, 22.849, 52.630

5, 22.849, 52.630

0, 22.849, 52.630

65, 22.849, 52.630

65, 22.849, 52.630

61, 30.551, 52.101

69, 15.670, 53.254

58, 38.768, 51.660

72, 8.992, 53.927

55, 47.424, 51.302

76, 2.775, 54.554

52, 56.301, 50.962

80, 3.026, 235.662

49, 64.896, 50.455

84, 8.458, 236.357

47, 72.189, 49.366

88, 13.564,  
237.139

46, 75.599, 48.756

92, 16.834,  
228.613

95, 19.159,  
203.240

96, 20.196,  
198.175

# Harmonies

# Complementary

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



65, 22.849, 52.630



68, 18.723, 239.177

# Rectangle

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



65, 22.849, 52.630



65, 22.849, 102.630



65, 22.849, 232.630



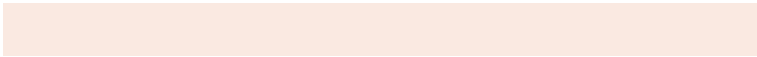
65, 22.849, 282.630

# Sweetspot

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



65, 22.848, 52.637



93, 7.417, 54.236



61, 35.550, 337.560



49, 5.085, 54.141



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, 22.848, 52.637



79, 35.124, 52.204



73, 29.754, 97.397



39, 3.411, 54.288



38, 65.649, 49.243



5, 11.768, 41.344





# Inverse Universe

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



68, 18.723, 239.177



83, 27.269, 240.637



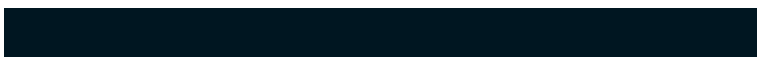
59, 31.173, 286.392



39, 3.256, 235.982



43, 36.138, 260.629



6, 10.783, 249.639



# Previews

## White Background



This preview shows how the CIELCh color 65, 22.849, 52.630 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 CIE LCh color 65, 22.849, 52.630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

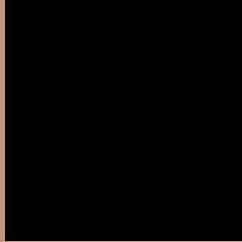
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 22.849, 52.630

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 22.849, 52.630.



This preview shows how white text looks on a background with the CIELCh color 65, 22.849, 52.630.

# 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, 22.849, 52.630

### Protanopia

65, 15.358, 94.677

### Deuteranopia

65, 20.298, 66.993



**Tritanopia**  
65, 21.391, 5.220



# Trichromacy



**Original Color**  
65, 22.849, 52.630

**Protanomaly**  
65, 16.657, 75.427

**Deuteranomaly**  
65, 21.137, 62.723

**Tritanomaly**  
65, 20.345, 22.924

# Monochromacy



**Original Color**  
65, 22.849, 52.630

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 7.750, 54.565

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 22.849, 52.630 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(193, 148, 126)` looks like.

```
.text, #text, p{  
    color:rgb(193, 148, 126)  
}
```

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(193, 148, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 148, 126) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 22.849, 52.630 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(193, 148, 126) }
```

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

```
.border{ border-color:rgb(193, 148, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 148, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 148, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 148, 126);  
box-shadow:4px 4px 4px 4px rgb(193, 148,  
126) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 22.849, 52.630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 148, 126) }
```

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

```
.background{ background-color: rgb(193,  
148, 126) }
```

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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