

# Converting Colors

CIELCh(65, 20.734, 97.521)

Have a look what the booklet for  
CIELCh(65, 20.734, 97.521) contains.

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# Color

**CIELCh(65, 20.734, 97.521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A79E79
RGB	167, 158, 121
RGB Percent	65%, 62%, 47%
CMY	0.3451, 0.3804, 0.5255
CMYK	0.00, 0.05, 0.28, 0.35
HSL	48°, 21%, 56%
HSV	48°, 28%, 65%
XYZ	31.6120, 34.0472, 22.9933
YIQ	156.4730, 17.2410, -9.5990

# Conversions

## Conversions Part 2

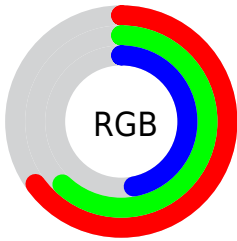
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 167, 121
Decimal	10985081
CIELab	65.00, -2.71, 20.56
CIELCh	65, 20.734, 97.521
Yxy	34.0472, 0.3566, 0.3841
Android (android.graphics.Color)	4289175161 (0xFFA79E79)
YUV	156.4730, -17.4882, 9.2322
Hunter-Lab	58.3500, -5.4071, 17.4813

# Details

The CIELCh color **65, 20.734, 97.521** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **55, 21.407, 284.397**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 20.731, 97.597**, and **45, 20.854, 98.353** is the 20% darker color. If you saturate the color by 10%, you get **64, 28.272, 96.338**, and if you desaturate by 10%, it is **66, 13.174, 98.689**.

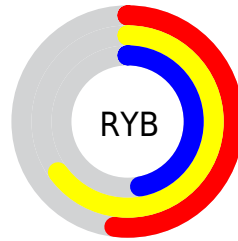
# Distribution



Red (65%)

Green (62%)

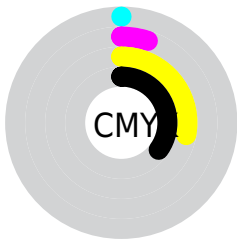
Blue (47%)



Red (52%)

Yellow (65%)

Blue (47%)

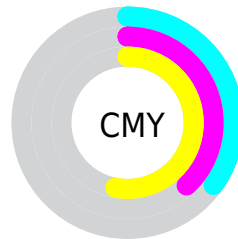


Cyan (0%)

Magenta (5%)

Yellow (28%)

Black (35%)



Cyan (35%)

Magenta (38%)

Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 20.734, 97.521 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, 20.734, 97.521 by changing the saturation by 10% instead.



■ 65, 20.734, 97.521

■ 65, 20.734, 97.521

■ 100, 20.734,  
97.521

■ 55, 20.734, 97.521

■ 85, 20.734, 97.521

■ 45, 20.734, 97.521

■ 95, 20.734, 97.521

■ 35, 20.734, 97.521

■ 25, 20.734, 97.521

■ 15, 20.734, 97.521

■ 5, 20.734, 97.521

■ 0, 20.734, 97.521

■ 65, 20.734, 97.521

■ 65, 20.734, 97.521

■ 64, 28.272, 96.338

■ 66, 13.174, 98.689

63, 35.695, 95.131

68, 5.641, 99.811

62, 42.850, 93.913

69, 1.839, 281.008

61, 49.478, 92.682

70, 9.249, 282.007

60, 55.181, 91.430

72, 16.585,  
283.015

59, 59.426, 90.125

73, 23.844,  
283.980

58, 61.872, 88.724

74, 31.026,  
284.898

57, 62.407, 88.383

76, 38.132,  
285.770

77, 36.632,  
283.685

# Harmonies

# Complementary

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



65, 20.734, 97.521



55, 21.407, 284.397

# Rectangle

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



65, 20.734, 97.521



65, 20.734, 147.521



65, 20.734, 277.521



65, 20.734, 327.521

# Sweetspot

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



65, 20.735, 97.526



85, 7.398, 99.746



56, 19.467, 6.181



45, 5.304, 99.584



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, 20.735, 97.526



81, 30.730, 96.809



66, 25.731, 120.231



35, 4.262, 99.620



51, 57.133, 88.548



5, 7.285, 96.829





# Inverse Universe

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



55, 21.407, 284.397



66, 32.008, 285.447



54, 27.150, 303.610



33, 4.311, 281.772



20, 77.163, 302.123



1, 8.012, 282.243



# Previews

## White Background



This preview shows how the CIELCh color 65, 20.734, 97.521 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, 20.734, 97.521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

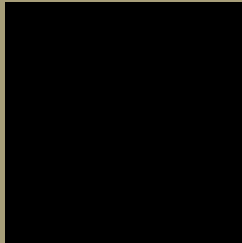
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 65, 20.734, 97.521

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 20.734, 97.521.



This preview shows how white text looks on a background with the CIELCh color 65, 20.734, 97.521.

# 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, 20.734, 97.521

### Protanopia

65, 20.909, 95.252

### Deuteranopia

65, 21.789, 67.052



**Tritanopia**  
65, 10.171, 339.473



# Trichromacy



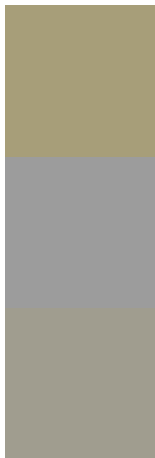
**Original Color**  
65, 20.734, 97.521

**Protanomaly**  
65, 20.817, 96.383

**Deuteranomaly**  
65, 20.492, 78.676

**Tritanomaly**  
65, 7.155, 47.467

# Monochromacy



**Original Color**  
65, 20.734, 97.521

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
65, 7.838, 100.608

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 20.734, 97.521 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(167, 158, 121)` looks like.

```
.text, #text, p{  
    color:rgb(167, 158, 121)  
}
```

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(167, 158, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 158, 121) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 20.734, 97.521 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(167, 158, 121) }
```

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

```
.border{ border-color:rgb(167, 158, 121) }
```

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

Here you see how a box with a 4 pixel rgb(167, 158, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 158, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 158, 121);  
box-shadow:4px 4px 4px 4px rgb(167, 158,  
121) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 20.734, 97.521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 158, 121) }
```

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

```
.background{ background-color: rgb(167,  
158, 121) }
```

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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