

# Converting Colors

CIELCh(65, 37.830, 66.693)

Have a look what the booklet for  
CIELCh(65, 37.830, 66.693) contains.

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# Color

**CIELCh(65, 37.963, 66.045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CA9260
RGB	202, 146, 96
RGB Percent	79%, 57%, 38%
CMY	0.2070, 0.4267, 0.6228
CMYK	0.00, 0.28, 0.52, 0.21
HSL	28°, 50%, 59%
HSV	28°, 52%, 79%
XYZ	36.8388, 34.0472, 15.7387
YIQ	157.0440, 49.4260, -3.6780

# Conversions

## Conversions Part 2

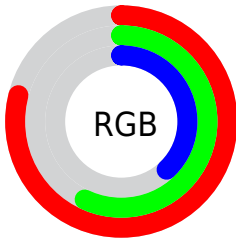
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 191, 96
Decimal	13275744
CIE <sub>Lab</sub>	65.00, 15.41, 34.69
CIE <sub>LCh</sub>	65, 37.963, 66.045
Yxy	34.0472, 0.4253, 0.3930
Android (android.graphics.Color)	4291465824 (0xFFCA9260)
YUV	157.0440, -30.0947, 39.4264
Hunter-Lab	58.3500, 10.5822, 24.8527

# Details

The CIELCh color **65, 37.963, 66.045** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **61, 31.656, 262.312**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 36.349, 69.133**, and **45, 37.979, 65.703** is the 20% darker color. If you saturate the color by 10%, you get **62, 46.215, 64.837**, and if you desaturate by 10%, it is **68, 29.963, 67.240**.

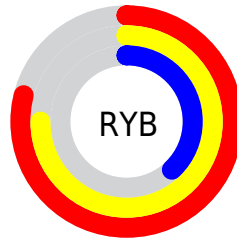
# Distribution



Red (79%)

Green (57%)

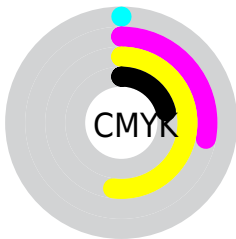
Blue (38%)



Red (79%)

Yellow (75%)

Blue (38%)

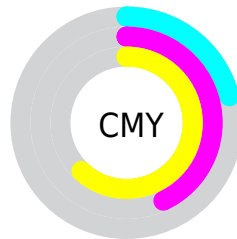


Cyan (0%)

Magenta (28%)

Yellow (52%)

Black (21%)



Cyan (21%)

Magenta (43%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 37.963, 66.045 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, 37.963, 66.045 by changing the saturation by 10% instead.



65, 37.963, 66.045

65, 37.963, 66.045

100, 37.963,  
66.045

55, 37.963, 66.045

85, 37.963, 66.045

45, 37.963, 66.045

95, 37.963, 66.045

35, 37.963, 66.045

25, 37.963, 66.045

15, 37.963, 66.045

5, 37.963, 66.045

0, 37.963, 66.045

65, 37.963, 66.045

65, 37.963, 66.045

62, 46.215, 64.837

68, 29.963, 67.240

59, 54.487, 63.539

71, 22.311, 68.429

57, 62.290, 62.010

74, 15.033, 69.615

54, 68.748, 59.957

77, 8.119, 70.783

53, 72.572, 58.069

81, 1.546, 71.755

84, 4.718, 253.250

87, 10.706,  
254.333

90, 15.280,  
251.785

93, 14.571,  
225.457

# Harmonies

# Complementary

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



65, 37.963, 66.045



61, 31.656, 262.312

# Rectangle

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



65, 37.963, 66.045



65, 37.963, 116.045



65, 37.963, 246.045



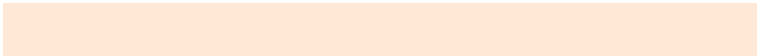
65, 37.963, 296.045

# Sweetspot

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



65, 37.963, 66.050



94, 12.734, 70.345



55, 49.763, 347.333



49, 8.644, 70.101



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



65, 37.963, 66.050



77, 56.449, 64.660



79, 52.555, 103.686



41, 3.701, 71.126



44, 62.392, 58.654



8, 14.380, 54.282





# Inverse Universe

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



61, 31.656, 262.312



71, 45.227, 265.987



47, 60.410, 296.764



41, 3.606, 253.541



37, 49.026, 280.734



6, 14.618, 268.501



# Previews

## White Background



This preview shows how the CIELCh color 65, 37.963, 66.045 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, 37.963, 66.045 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, 37.963, 66.045

## Background



This preview shows how black text looks on a background with the CIELCh color 65, 37.963, 66.045.



This preview shows how white text looks on a background with the CIELCh color 65, 37.963, 66.045.

# 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, 37.963, 66.045

### Protanopia

65, 31.774, 95.774

### Deuteranopia

65, 36.189, 76.585



**Tritanopia**  
65, 27.825, 9.911



# Trichromacy



**Original Color**  
65, 37.963, 66.045

**Protanomaly**  
65, 32.974, 84.146

**Deuteranomaly**  
65, 36.915, 72.382

**Tritanomaly**  
65, 27.546, 35.589

# Monochromacy



**Original Color**  
65, 37.963, 66.045

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
64, 12.950, 69.914

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 65, 37.963, 66.045 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(202, 146, 96)` looks like.

```
.text, #text, p{  
    color:rgb(202, 146, 96)  
}
```

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(202, 146, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 146, 96) }
```

## Border

The CSS property to change the border of an element to CIELCh 65, 37.963, 66.045 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(202, 146, 96) }
```

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

```
.border{ border-color:rgb(202, 146, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 146, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 146, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 146, 96);  
box-shadow:4px 4px 4px 4px rgb(202, 146,  
96) }
```

# Background

The CSS property to change the background color of an element to CIELCh 65, 37.963, 66.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 146, 96) }
```

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

```
.background{ background-color: rgb(202,  
146, 96) }
```

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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