

Converting Colors

CIELCh(64, 38.451, 75.970)

Have a look what the booklet for
CIELCh(64, 38.451, 75.970) contains.

CIELCh(64, 38.550, 75.683)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 38.550, 75.683)

Conversions

Conversions Part 1

Format	Color
Hex	BF9358
RGB	191, 147, 88
RGB Percent	75%, 58%, 35%
CMY	0.2496, 0.4222, 0.6537
CMYK	0.00, 0.23, 0.54, 0.25
HSL	34°, 45%, 55%
HSV	34°, 54%, 75%
XYZ	33.8348, 32.8017, 13.8479
YIQ	153.4300, 45.1630, -9.0210

Conversions

Conversions Part 2

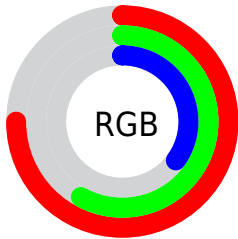
Format	Color
RYB	165, 191, 88
Decimal	12555096
CIELab	64.00, 9.53, 37.35
CIELCh	64, 38.550, 75.683
Yxy	32.8017, 0.4204, 0.4076
Android (android.graphics.Color)	4290745176 (0xFFBF9358)
YUV	153.4300, -32.2570, 32.9489
Hunter-Lab	57.2727, 5.2246, 25.7553

Details

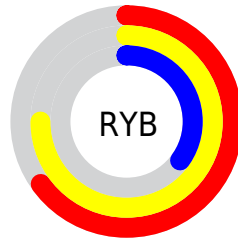
The CIELCh color **64, 38.550, 75.683** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **55, 35.501, 273.391**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 38.729, 75.571**, and **44, 38.658, 75.982** is the 20% darker color. If you saturate the color by 10%, you get **62, 46.155, 74.217**, and if you desaturate by 10%, it is **66, 30.953, 77.093**.

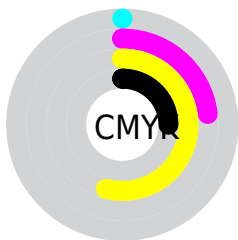
Distribution



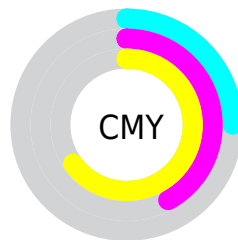
- Red (75%)
- Green (58%)
- Blue (35%)



- Red (65%)
- Yellow (75%)
- Blue (35%)



- Cyan (0%)
- Magenta (23%)
- Yellow (54%)
- Black (25%)



- Cyan (25%)
- Magenta (42%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 38.550, 75.683 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, 38.550, 75.683 by changing the saturation by 10% instead.

64, 38.550, 75.683

64, 38.550, 75.683

100, 38.550,
75.683

54, 38.550, 75.683

84, 38.550, 75.683

44, 38.550, 75.683

94, 38.550, 75.683

34, 38.550, 75.683

24, 38.550, 75.683

14, 38.550, 75.683

4, 38.550, 75.683

0, 38.550, 75.683

64, 38.550, 75.683

64, 38.550, 75.683

62, 46.155, 74.217

66, 30.953, 77.093

60, 53.470, 72.622

69, 23.509, 78.460

57, 59.954, 70.768

71, 16.282, 79.792

55, 64.792, 68.419

74, 9.291, 81.085

54, 67.092, 66.806

76, 2.534, 82.269

79, 4.002, 263.692

82, 10.335,
264.831

84, 16.485,
265.957

87, 19.946,
263.029

Harmonies

Complementary

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



64, 38.550, 75.683



55, 35.501, 273.391

Rectangle

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



64, 38.550, 75.683



64, 38.550, 125.683



64, 38.550, 255.683



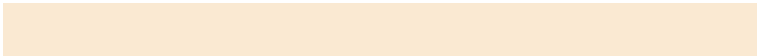
64, 38.550, 305.683

Sweetspot

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



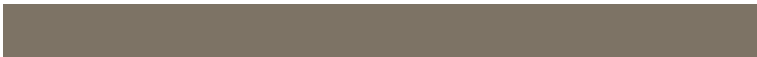
64, 38.550, 75.687



93, 13.387, 80.778



52, 46.463, 353.915



49, 9.070, 80.511



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



64, 38.550, 75.687



78, 58.430, 73.879



75, 53.043, 108.321



40, 3.812, 81.642



46, 58.866, 67.306



7, 11.732, 66.864

Inverse Universe

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



55, 35.501, 273.391



64, 53.298, 277.258



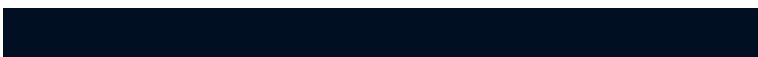
43, 61.620, 299.779



39, 3.769, 264.157



31, 58.206, 289.948



4, 13.826, 274.756

Previews

White Background



This preview shows how the CIELCh color 64, 38.550, 75.683 looks on a white background.

Color Contrast Check

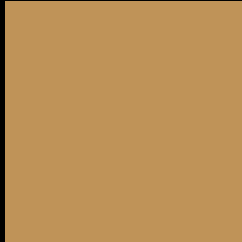
Large Text (above 18pt) WCAG AA × Fail

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 64, 38.550, 75.683 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, 38.550, 75.683

Background



This preview shows how black text looks on a background with the CIELCh color 64, 38.550, 75.683.



This preview shows how white text looks on a background with the CIELCh color 64, 38.550, 75.683.

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, 38.550, 75.683

Protanopia

64, 35.592, 95.621

Deuteranopia

64, 38.235, 77.718



Tritanopia
64, 23.447, 6.949

Trichromacy



Original Color
64, 38.550, 75.683

Protanomaly
64, 36.052, 87.707

Deuteranomaly
64, 38.476, 77.147

Tritanomaly
64, 23.654, 41.657

Monochromacy



Original Color
64, 38.550, 75.683

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 13.917, 80.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 38.550, 75.683 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(191, 147, 88)` looks like.

```
.text, #text, p{  
    color:rgb(191, 147, 88)  
}
```

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(191, 147, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 147, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 38.550, 75.683 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(191, 147, 88) }
```

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

```
.border{ border-color:rgb(191, 147, 88) }
```

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

Here you see how a box with a 4 pixel rgb(191, 147, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 147, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 147, 88);  
box-shadow:4px 4px 4px 4px rgb(191, 147,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 38.550, 75.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 147, 88) }
```

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

```
.background{ background-color: rgb(191,  
147, 88) }
```

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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