

Converting Colors

CIELCh(65, 38.106, 77.912)

Have a look what the booklet for
CIELCh(65, 38.106, 77.912) contains.

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Color

CIELCh(65, 38.093, 77.830)

Conversions

Conversions Part 1

Format	Color
Hex	C0975B
RGB	192, 151, 91
RGB Percent	75%, 59%, 36%
CMY	0.2475, 0.4082, 0.6435
CMYK	0.00, 0.21, 0.53, 0.25
HSL	36°, 44%, 55%
HSV	36°, 53%, 75%
XYZ	34.6456, 34.0472, 14.6218
YIQ	156.4190, 43.6960, -9.9680

Conversions

Conversions Part 2

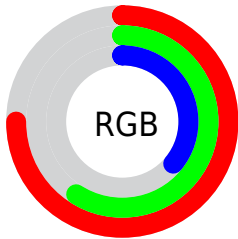
Format	Color
RYB	160, 192, 91
Decimal	12621659
CIELab	65.00, 8.03, 37.24
CIElCh	65, 38.093, 77.830
Yxy	34.0472, 0.4158, 0.4087
Android (android.graphics.Color)	4290811739 (0xFFC0975B)
YUV	156.4190, -32.2516, 31.2045
Hunter-Lab	58.3500, 3.8728, 25.9876

Details

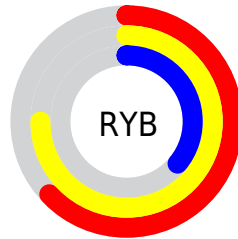
The CIELCh color **65, 38.093, 77.830** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **55, 35.816, 274.996**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 38.116, 78.075**, and **45, 37.979, 77.438** is the 20% darker color. If you saturate the color by 10%, you get **63, 45.692, 76.356**, and if you desaturate by 10%, it is **67, 30.480, 79.250**.

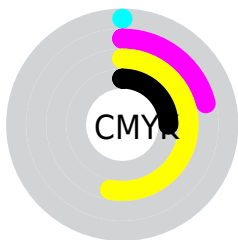
Distribution



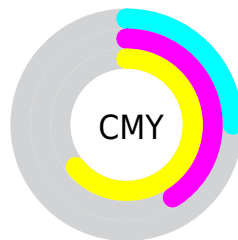
- Red (75%)
- Green (59%)
- Blue (36%)



- Red (63%)
- Yellow (75%)
- Blue (36%)



- Cyan (0%)
- Magenta (21%)
- Yellow (53%)
- Black (25%)



- Cyan (25%)
- Magenta (41%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 38.093, 77.830 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, 38.093, 77.830 by changing the saturation by 10% instead.

65, 38.093, 77.830

65, 38.093, 77.830

100, 38.093,
77.830

55, 38.093, 77.830

85, 38.093, 77.830

45, 38.093, 77.830

95, 38.093, 77.830

35, 38.093, 77.830

25, 38.093, 77.830

15, 38.093, 77.830

5, 38.093, 77.830

0, 38.093, 77.830

65, 38.093, 77.830

65, 38.093, 77.830

63, 45.692, 76.356

67, 30.480, 79.250

61, 52.989, 74.762

70, 22.995, 80.625

59, 59.468, 72.939

72, 15.702, 81.962

57, 64.346, 70.677

74, 8.624, 83.255

55, 66.938, 68.755

77, 1.760, 84.393

80, 4.900, 265.838

82, 11.372,
266.982

85, 17.673,
268.100

87, 19.845,
263.315

Harmonies

Complementary

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



65, 38.093, 77.830



55, 35.816, 274.996

Rectangle

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



65, 38.093, 77.830



65, 38.093, 127.830



65, 38.093, 257.830



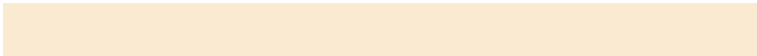
65, 38.093, 307.830

Sweetspot

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



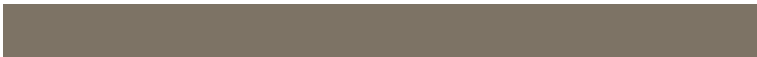
65, 38.093, 77.834



93, 13.622, 82.792



52, 45.283, 354.825



49, 9.225, 82.524



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, 38.093, 77.834



80, 56.994, 76.144



75, 52.126, 109.191



40, 3.883, 83.660



47, 58.631, 69.245



7, 11.859, 69.519

Inverse Universe

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



55, 35.816, 274.996



64, 53.338, 278.478



44, 60.213, 299.979



39, 3.850, 266.168



30, 60.526, 291.551



4, 14.119, 276.078

Previews

White Background



This preview shows how the CIELCh color 65, 38.093, 77.830 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, 38.093, 77.830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

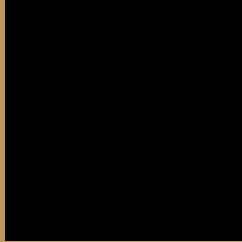
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 38.093, 77.830

Background



This preview shows how black text looks on a background with the CIELCh color 65, 38.093, 77.830.



This preview shows how white text looks on a background with the CIELCh color 65, 38.093, 77.830.

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, 38.093, 77.830

Protanopia

65, 35.490, 95.711

Deuteranopia

65, 38.093, 77.830



Tritanopia
65, 22.192, 5.929

Trichromacy



Original Color
65, 38.093, 77.830

Protanomaly
65, 35.783, 88.480

Deuteranomaly
65, 38.093, 77.830

Tritanomaly
65, 22.332, 42.723

Monochromacy



Original Color
65, 38.093, 77.830

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 13.685, 82.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 38.093, 77.830 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(192, 151, 91)` looks like.

```
.text, #text, p{  
    color:rgb(192, 151, 91)  
}
```

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(192, 151, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 151, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 38.093, 77.830 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(192, 151, 91) }
```

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

```
.border{ border-color:rgb(192, 151, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 151, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 151, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 151, 91);  
box-shadow:4px 4px 4px 4px rgb(192, 151,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 38.093, 77.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 151, 91) }
```

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

```
.background{ background-color: rgb(192,  
151, 91) }
```

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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