

Converting Colors

CIELCh(65, 61.208, 78.481)

Have a look what the booklet for
CIELCh(65, 61.208, 78.481) contains.

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Color

CIELCh(65, 61.164, 78.305)

Conversions

Conversions Part 1

Format	Color
Hex	CC932A
RGB	204, 147, 42
RGB Percent	80%, 58%, 16%
CMY	0.1984, 0.4221, 0.8337
CMYK	0.00, 0.28, 0.79, 0.20
HSL	39°, 66%, 48%
HSV	39°, 79%, 80%
XYZ	35.9321, 34.0472, 6.9062
YIQ	152.0730, 67.6770, -20.5710

Conversions

Conversions Part 2

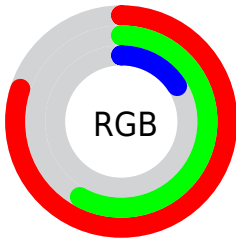
Format	Color
R _{YB}	130, 204, 42
Decimal	13407018
CIE Lab	65.00, 12.40, 59.89
CIE LCh	65, 61.164, 78.305
Yxy	34.0472, 0.4673, 0.4428
Android (android.graphics.Color)	4291597098 (0xFFCC932A)
YUV	152.0730, -54.2660, 45.5400
Hunter-Lab	58.3500, 7.8086, 33.8275

Details

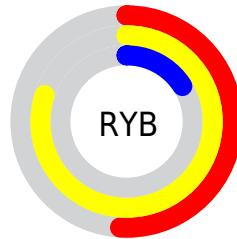
The CIELCh color **65, 61.164, 78.305** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **44, 62.787, 288.150**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 59.104, 82.050**, and **45, 54.230, 76.453** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.417, 76.283**, and if you desaturate by 10%, it is **67, 54.326, 80.023**.

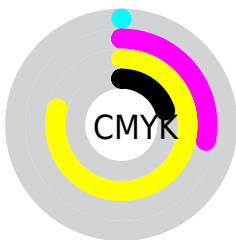
Distribution



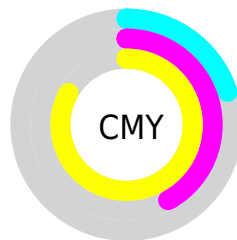
- Red (80%)
- Green (58%)
- Blue (16%)



- Red (51%)
- Yellow (80%)
- Blue (16%)



- Cyan (0%)
- Magenta (28%)
- Yellow (79%)
- Black (20%)



- Cyan (20%)
- Magenta (42%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 61.164, 78.305 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, 61.164, 78.305 by changing the saturation by 10% instead.

65, 61.164, 78.305

65, 61.164, 78.305

100, 61.164,
78.305

55, 61.164, 78.305

85, 61.164, 78.305

45, 61.164, 78.305

95, 61.164, 78.305

35, 61.164, 78.305

25, 61.164, 78.305

15, 61.164, 78.305

5, 61.164, 78.305

0, 61.164, 78.305

65, 61.164, 78.305

65, 61.164, 78.305

63, 66.417, 76.283

67, 54.326, 80.023

61, 69.608, 73.825

69, 46.652, 81.574

61, 69.834, 73.644

71, 38.632, 83.037

73, 30.542, 84.445

75, 22.528, 85.811

78, 14.657, 87.135

80, 6.958, 88.404

82, 0.562, 270.145

85, 7.909, 270.913

Harmonies

Complementary

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



65, 61.164, 78.305



44, 62.787, 288.150

Rectangle

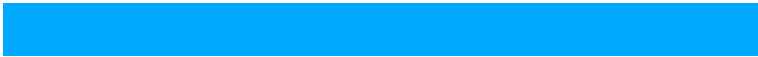
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 61.164, 78.305



65, 61.164, 128.305



65, 61.164, 258.305



65, 61.164, 308.305

Sweetspot

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



65, 61.163, 78.308



93, 21.989, 86.472



46, 65.199, 5.721



49, 15.168, 85.991



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, 61.163, 78.308



76, 81.171, 74.576



78, 75.878, 110.458



42, 4.258, 88.387



50, 59.755, 74.137



10, 15.174, 76.489

Inverse Universe

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



44, 62.787, 288.150



47, 91.669, 294.472



32, 96.884, 305.237



40, 4.248, 270.862



29, 68.143, 295.204



4, 17.872, 281.130

Previews

White Background



This preview shows how the CIELCh color 65, 61.164, 78.305 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, 61.164, 78.305 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, 61.164, 78.305

Background



This preview shows how black text looks on a background with the CIELCh color 65, 61.164, 78.305.



This preview shows how white text looks on a background with the CIELCh color 65, 61.164, 78.305.

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, 61.164, 78.305

Protanopia

65, 58.142, 95.322

Deuteranopia

65, 60.823, 81.935



Tritanopia
65, 29.828, 12.082

Trichromacy



Original Color
65, 61.164, 78.305

Protanomaly
65, 58.513, 88.862

Deuteranomaly
65, 60.750, 80.531

Tritanomaly
65, 35.048, 50.431

Monochromacy



Original Color
65, 61.164, 78.305

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 23.026, 84.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 61.164, 78.305 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(204, 147, 42)` looks like.

```
.text, #text, p{  
    color:rgb(204, 147, 42)  
}
```

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(204, 147, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 147, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 61.164, 78.305 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(204, 147, 42) }
```

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

```
.border{ border-color:rgb(204, 147, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 147, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 147, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 147, 42);  
box-shadow:4px 4px 4px 4px rgb(204, 147,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 61.164, 78.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 147, 42) }
```

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

```
.background{ background-color: rgb(204,  
147, 42) }
```

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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