

Converting Colors

CIELCh(65, 61.614, 78.456)

Have a look what the booklet for
CIELCh(65, 61.614, 78.456) contains.

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Color

CIELCh(65, 61.502, 78.404)

Conversions

Conversions Part 1

Format	Color
Hex	CC9329
RGB	204, 147, 41
RGB Percent	80%, 58%, 16%
CMY	0.1983, 0.4220, 0.8375
CMYK	0.00, 0.28, 0.80, 0.20
HSL	39°, 66%, 48%
HSV	39°, 80%, 80%
XYZ	35.9215, 34.0472, 6.8151
YIQ	151.9590, 67.9980, -20.8820

Conversions

Conversions Part 2

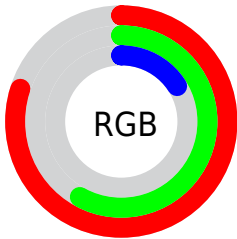
Format	Color
RYB	129, 204, 41
Decimal	13407017
CIELab	65.00, 12.36, 60.25
CIELCh	65, 61.502, 78.404
Yxy	34.0472, 0.4678, 0.4434
Android (android.graphics.Color)	4291597097 (0xFFCC9329)
YUV	151.9590, -54.7028, 45.6400
Hunter-Lab	58.3500, 7.7761, 33.9201

Details

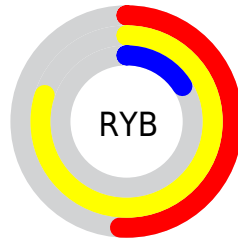
The CIELCh color **65, 61.502, 78.404** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **44, 63.424, 288.475**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 59.533, 82.168**, and **45, 54.230, 76.453** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.640, 76.368**, and if you desaturate by 10%, it is **67, 54.733, 80.130**.

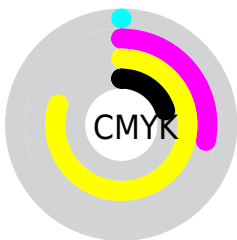
Distribution



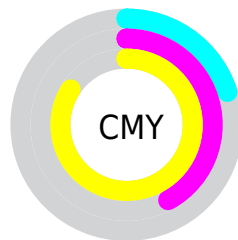
- Red (80%)
- Green (58%)
- Blue (16%)



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



- Cyan (0%)
- Magenta (28%)
- Yellow (80%)
- Black (20%)



- Cyan (20%)
- Magenta (42%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 61.502, 78.404 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, 61.502, 78.404 by changing the saturation by 10% instead.

65, 61.502, 78.404

65, 61.502, 78.404

100, 61.502,
78.404

55, 61.502, 78.404

85, 61.502, 78.404

45, 61.502, 78.404

95, 61.502, 78.404

35, 61.502, 78.404

25, 61.502, 78.404

15, 61.502, 78.404

5, 61.502, 78.404

0, 61.502, 78.404

65, 61.502, 78.404

65, 61.502, 78.404

63, 66.640, 76.368

67, 54.733, 80.130

61, 69.758, 73.910

69, 47.091, 81.685

61, 69.837, 73.847

71, 39.078, 83.150

73, 30.982, 84.560

75, 22.952, 85.927

78, 15.061, 87.252

80, 7.340, 88.524

82, 0.205, 271.056

85, 7.578, 271.034

Harmonies

Complementary

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



65, 61.502, 78.404



44, 63.424, 288.475

Rectangle

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



65, 61.502, 78.404



65, 61.502, 128.404



65, 61.502, 258.404



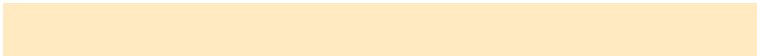
65, 61.502, 308.404

Sweetspot

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



65, 61.501, 78.407



93, 22.030, 86.652



46, 65.409, 7.297



49, 15.196, 86.171



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, 61.501, 78.407



76, 81.447, 74.503



78, 76.322, 111.308



42, 4.267, 88.566



50, 59.756, 74.337



10, 15.198, 76.740

Inverse Universe

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



44, 63.424, 288.475



46, 93.044, 294.974



32, 97.262, 305.527



40, 4.258, 271.038



29, 68.384, 295.332



4, 17.910, 281.235

Previews

White Background



This preview shows how the CIELCh color 65, 61.502, 78.404 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, 61.502, 78.404 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, 61.502, 78.404

Background



This preview shows how black text looks on a background with the CIELCh color 65, 61.502, 78.404.



This preview shows how white text looks on a background with the CIELCh color 65, 61.502, 78.404.

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, 61.502, 78.404

Protanopia

65, 58.504, 95.333

Deuteranopia

65, 61.159, 82.013



Tritanopia
65, 29.828, 12.082

Trichromacy



Original Color
65, 61.502, 78.404

Protanomaly
65, 58.869, 88.909

Deuteranomaly
65, 61.089, 80.618

Tritanomaly
65, 35.395, 51.098

Monochromacy



Original Color
65, 61.502, 78.404

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, 61.502, 78.404 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(204, 147, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 147, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 61.502, 78.404 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, 41) }
```

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

```
.border{ border-color:rgb(204, 147, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 147, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 147, 41);  
box-shadow:4px 4px 4px 4px rgb(204, 147,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 61.502, 78.404 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, 41) }
```

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

```
.background{ background-color: rgb(204,  
147, 41) }
```

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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