

Converting Colors

CIELCh(63, 50.475, 66.954)

Have a look what the booklet for
CIELCh(63, 50.475, 66.954) contains.

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Color

CIELCh(63, 50.413, 66.636)

Conversions

Conversions Part 1

Format	Color
Hex	CE8945
RGB	206, 137, 69
RGB Percent	81%, 54%, 27%
CMY	0.1908, 0.4615, 0.7282
CMYK	0.00, 0.33, 0.66, 0.19
HSL	30°, 58%, 54%
HSV	30°, 66%, 81%
XYZ	35.6270, 31.5869, 9.8980
YIQ	149.8790, 62.9520, -6.5200

Conversions

Conversions Part 2

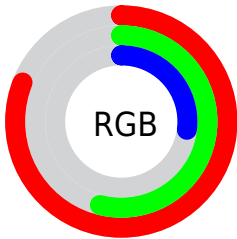
Format	Color
R _Y B	206, 204, 69
Decimal	13535557
CIE Lab	63.00, 19.99, 46.28
CIE LCh	63, 50.413, 66.636
Yxy	31.5869, 0.4620, 0.4096
Android (android.graphics.Color)	4291725637 (0xFFCE8945)
YUV	149.8790, -39.8733, 49.2181
Hunter-Lab	56.2022, 14.7984, 28.8997

Details

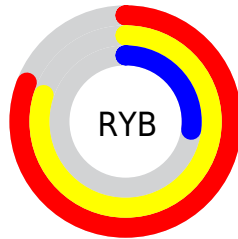
The CIELCh color **63, 50.413, 66.636** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **56, 41.490, 269.765**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 47.003, 71.232**, and **43, 50.435, 66.928** is the 20% darker color. If you saturate the color by 10%, you get **60, 58.525, 65.166**, and if you desaturate by 10%, it is **66, 42.087, 67.971**.

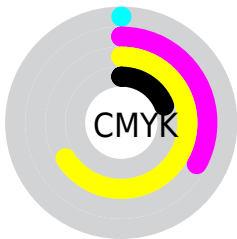
Distribution



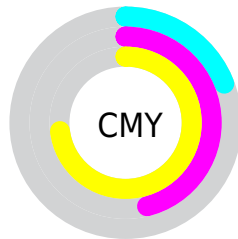
- Red (81%)
- Green (54%)
- Blue (27%)



- Red (81%)
- Yellow (80%)
- Blue (27%)



- Cyan (0%)
- Magenta (33%)
- Yellow (66%)
- Black (19%)



- Cyan (19%)
- Magenta (46%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 50.413, 66.636 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 63, 50.413, 66.636 by changing the saturation by 10% instead.

63, 50.413, 66.636

63, 50.413, 66.636

100, 50.413,
66.636

53, 50.413, 66.636

83, 50.413, 66.636

43, 50.413, 66.636

93, 50.413, 66.636

33, 50.413, 66.636

23, 50.413, 66.636

13, 50.413, 66.636

3, 50.413, 66.636

0, 50.413, 66.636

63, 50.413, 66.636

63, 50.413, 66.636

60, 58.525, 65.166

66, 42.087, 67.971

58, 65.771, 63.356

69, 33.888, 69.248

56, 71.178, 60.888

72, 25.970, 70.507

55, 72.899, 59.981

75, 18.391, 71.754

78, 11.158, 72.983

81, 4.258, 74.153

84, 2.336, 255.605

87, 8.654, 256.656

91, 14.716,
257.742

Harmonies

Complementary

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



63, 50.413, 66.636



56, 41.490, 269.765

Rectangle

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



63, 50.413, 66.636



63, 50.413, 116.636



63, 50.413, 246.636



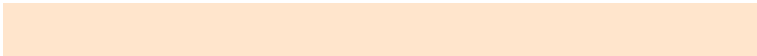
63, 50.413, 296.636

Sweetspot

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



63, 50.412, 66.640



92, 16.289, 72.515



51, 60.951, 350.784



48, 11.189, 72.165



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 50.412, 66.640



72, 72.719, 64.398



80, 66.252, 103.347



41, 3.756, 73.820



44, 61.737, 60.618



8, 14.351, 57.369

Inverse Universe

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



56, 41.490, 269.765



62, 58.707, 275.557



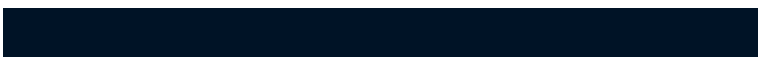
38, 81.143, 300.496



41, 3.673, 256.289



36, 51.509, 283.301



6, 15.077, 270.848

Previews

White Background



This preview shows how the CIELCh color 63, 50.413, 66.636 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 63, 50.413, 66.636 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 63, 50.413, 66.636

Background



This preview shows how black text looks on a background with the CIELCh color 63, 50.413, 66.636.



This preview shows how white text looks on a background with the CIELCh color 63, 50.413, 66.636.

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

63, 50.413, 66.636

Protanopia

63, 43.261, 95.837

Deuteranopia

63, 47.455, 80.083



Tritanopia
63, 33.394, 14.684

Trichromacy



Original Color
63, 50.413, 66.636

Protanomaly
63, 44.339, 83.775

Deuteranomaly
63, 47.997, 74.918

Tritanomaly
63, 35.145, 39.636

Monochromacy



Original Color
63, 50.413, 66.636

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 17.169, 70.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 50.413, 66.636 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(206, 137, 69)` looks like.

```
.text, #text, p{  
    color:rgb(206, 137, 69)  
}
```

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(206, 137, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 137, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 50.413, 66.636 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(206, 137, 69) }
```

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

```
.border{ border-color:rgb(206, 137, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 137, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 137, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 137, 69);  
box-shadow:4px 4px 4px 4px rgb(206, 137,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 50.413, 66.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 137, 69) }
```

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

```
.background{ background-color: rgb(206,  
137, 69) }
```

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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