

Converting Colors

CIE LCh(66, 52.021, 72.203)

Have a look what the booklet for
CIELCh(66, 52.021, 72.203) contains.

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Color

CIELCh(66, 51.847, 72.284)

Conversions

Conversions Part 1

Format	Color
Hex	D29446
RGB	210, 148, 70
RGB Percent	82%, 58%, 27%
CMY	0.1765, 0.4196, 0.7255
CMYK	0.00, 0.30, 0.67, 0.18
HSL	33°, 61%, 55%
HSV	33°, 67%, 82%
XYZ	38.2739, 35.3238, 10.5952
YIQ	157.6460, 61.9900, -11.1140

Conversions

Conversions Part 2

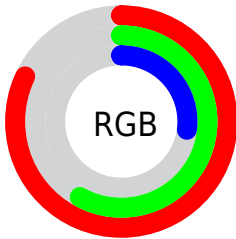
Format	Color
RYB	181, 210, 70
Decimal	13800518
CIELab	66.00, 15.78, 49.39
CIELCh	66, 51.847, 72.284
Yxy	35.3238, 0.4546, 0.4196
Android (android.graphics.Color)	4291990598 (0xFFD29446)
YUV	157.6460, -43.2095, 45.9145
Hunter-Lab	59.4338, 10.9403, 31.0342

Details

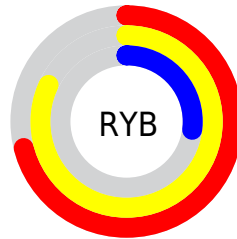
The CIELCh color **66, 51.847, 72.284** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **55, 46.346, 276.160**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 48.211, 78.653**, and **46, 51.875, 72.249** is the 20% darker color. If you saturate the color by 10%, you get **64, 59.626, 70.638**, and if you desaturate by 10%, it is **69, 43.647, 73.776**.

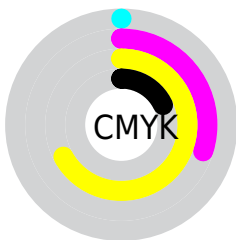
Distribution



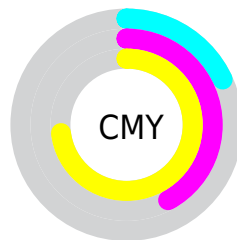
- Red (82%)
- Green (58%)
- Blue (27%)



- Red (71%)
- Yellow (82%)
- Blue (27%)



- Cyan (0%)
- Magenta (30%)
- Yellow (67%)
- Black (18%)



- Cyan (18%)
- Magenta (42%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 51.847, 72.284 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 66, 51.847, 72.284 by changing the saturation by 10% instead.

■ 66, 51.847, 72.284

■ 66, 51.847, 72.284

■ 100, 51.847,
72.284

■ 56, 51.847, 72.284

■ 86, 51.847, 72.284

■ 46, 51.847, 72.284

■ 96, 51.847, 72.284

■ 36, 51.847, 72.284

■ 26, 51.847, 72.284

■ 16, 51.847, 72.284

■ 6, 51.847, 72.284

■ 0, 51.847, 72.284

■ 66, 51.847, 72.284

■ 66, 51.847, 72.284

■ 64, 59.626, 70.638

■ 69, 43.647, 73.776

61, 66.291, 68.654

71, 35.417, 75.188

59, 70.931, 66.062

74, 27.348, 76.558

58, 72.266, 65.166

77, 19.525, 77.897

79, 11.975, 79.202

82, 4.698, 80.442

85, 2.321, 261.903

88, 9.104, 262.999

91, 13.895,
259.875

Harmonies

Complementary

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



66, 51.847, 72.284



55, 46.346, 276.160

Rectangle

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



66, 51.847, 72.284



66, 51.847, 122.284



66, 51.847, 252.284



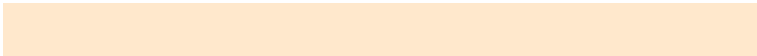
66, 51.847, 302.284

Sweetspot

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



66, 51.846, 72.288



93, 16.936, 78.743



52, 60.312, 355.493



49, 11.617, 78.371



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 51.846, 72.288



75, 72.509, 69.855



81, 68.333, 106.659



43, 4.007, 80.115



47, 61.172, 65.773



10, 15.836, 65.733

Inverse Universe

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



55, 46.346, 276.160



59, 65.251, 281.593



39, 83.885, 301.920



42, 3.953, 262.651



34, 58.732, 288.873



5, 17.448, 276.749

Previews

White Background



This preview shows how the CIELCh color 66, 51.847, 72.284 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 66, 51.847, 72.284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

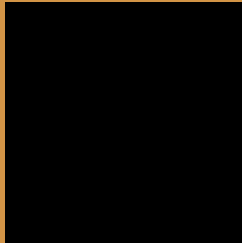
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 51.847, 72.284

Background



This preview shows how black text looks on a background with the CIELCh color 66, 51.847, 72.284.



This preview shows how white text looks on a background with the CIELCh color 66, 51.847, 72.284.

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

66, 51.847, 72.284

Protanopia

66, 46.936, 95.869

Deuteranopia

66, 50.229, 80.516



Tritanopia
66, 31.414, 11.811

Trichromacy



Original Color
66, 51.847, 72.284

Protanomaly
66, 47.359, 86.349

Deuteranomaly
66, 50.809, 77.394

Tritanomaly
66, 33.493, 41.957

Monochromacy



Original Color
66, 51.847, 72.284

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 18.324, 76.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 51.847, 72.284 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(210, 148, 70)` looks like.

```
.text, #text, p{  
    color:rgb(210, 148, 70)  
}
```

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(210, 148, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 148, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 51.847, 72.284 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(210, 148, 70) }
```

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

```
.border{ border-color:rgb(210, 148, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 148, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 148, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 148, 70);  
box-shadow:4px 4px 4px 4px rgb(210, 148,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 51.847, 72.284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 148, 70) }
```

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

```
.background{ background-color: rgb(210,  
148, 70) }
```

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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