

Converting Colors

CIELCh(66, 47.499, 79.538)

Have a look what the booklet for
CIELCh(66, 47.499, 79.538) contains.

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Color

CIELCh(66, 47.545, 79.494)

Conversions

Conversions Part 1

Format	Color
Hex	C7994B
RGB	199, 153, 75
RGB Percent	78%, 60%, 29%
CMY	0.2206, 0.4008, 0.7067
CMYK	0.00, 0.23, 0.62, 0.22
HSL	38°, 52%, 54%
HSV	38°, 62%, 78%
XYZ	36.1058, 35.3238, 11.5339
YIQ	157.8620, 52.4540, -14.5060

Conversions

Conversions Part 2

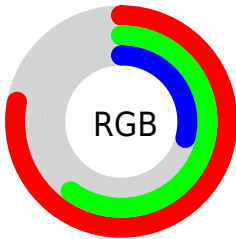
Format	Color
RYB	148, 199, 75
Decimal	13080907
CIELab	66.00, 8.67, 46.75
CIELCh	66, 47.545, 79.494
Yxy	35.3238, 0.4352, 0.4258
Android (android.graphics.Color)	4291270987 (0xFFC7994B)
YUV	157.8620, -40.8510, 36.0780
Hunter-Lab	59.4338, 4.4288, 30.0977

Details

The CIELCh color **66, 47.545, 79.494** 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 **51, 46.175, 280.905**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 46.950, 81.025**, and **46, 47.632, 79.169** is the 20% darker color. If you saturate the color by 10%, you get **64, 54.924, 77.899**, and if you desaturate by 10%, it is **68, 39.762, 80.986**.

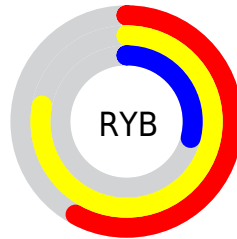
Distribution



Red (78%)

Green (60%)

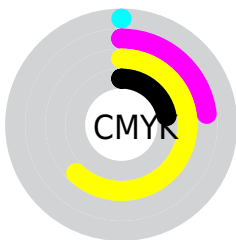
Blue (29%)



Red (58%)

Yellow (78%)

Blue (29%)

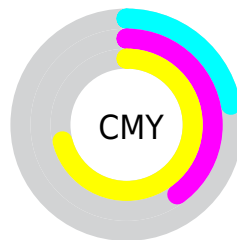


Cyan (0%)

Magenta (23%)

Yellow (62%)

Black (22%)



Cyan (22%)

Magenta (40%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 47.545, 79.494 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, 47.545, 79.494 by changing the saturation by 10% instead.

66, 47.545, 79.494

66, 47.545, 79.494

100, 47.545,
79.494

56, 47.545, 79.494

86, 47.545, 79.494

46, 47.545, 79.494

96, 47.545, 79.494

36, 47.545, 79.494

26, 47.545, 79.494

16, 47.545, 79.494

6, 47.545, 79.494

0, 47.545, 79.494

66, 47.545, 79.494

66, 47.545, 79.494

64, 54.924, 77.899

68, 39.762, 80.986

62, 61.352, 76.090

70, 31.888, 82.411

60, 66.040, 73.887

73, 24.086, 83.792

59, 68.431, 71.938

75, 16.435, 85.132

77, 8.967, 86.425

80, 1.689, 87.560

82, 5.404, 268.984

84, 12.325,
270.123

87, 19.086,
271.231

Harmonies

Complementary

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



66, 47.545, 79.494



51, 46.175, 280.905

Rectangle

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



66, 47.545, 79.494



66, 47.545, 129.494



66, 47.545, 259.494



66, 47.545, 309.494

Sweetspot

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



66, 47.545, 79.498



94, 17.019, 85.537



50, 53.589, 359.275



50, 11.758, 85.157



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, 47.545, 79.498



80, 69.338, 77.256



77, 62.273, 110.168



41, 4.096, 86.797



49, 59.101, 72.433



9, 13.568, 74.098

Inverse Universe

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



51, 46.175, 280.905



58, 68.755, 285.589



40, 74.482, 302.406



39, 4.078, 269.286



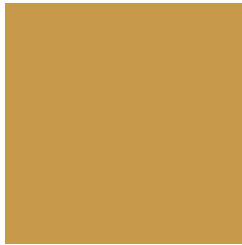
29, 65.202, 293.993



4, 16.088, 279.100

Previews

White Background



This preview shows how the CIELCh color 66, 47.545, 79.494 looks on a white background.

Color Contrast Check

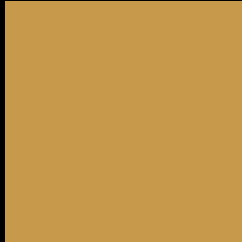
Large Text (above 18pt) WCAG AA × Fail

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 66, 47.545, 79.494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

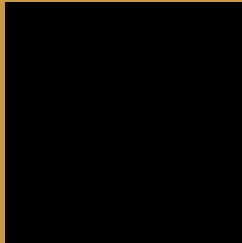
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 47.545, 79.494

Background



This preview shows how black text looks on a background with the CIELCh color 66, 47.545, 79.494.



This preview shows how white text looks on a background with the CIELCh color 66, 47.545, 79.494.

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, 47.545, 79.494

Protanopia

66, 45.513, 95.756

Deuteranopia

66, 47.322, 79.973



Tritanopia
66, 24.897, 8.035

Trichromacy



Original Color
66, 47.545, 79.494

Protanomaly
66, 45.900, 89.474

Deuteranomaly
66, 47.322, 79.973

Tritanomaly
66, 26.779, 46.603

Monochromacy



Original Color
66, 47.545, 79.494

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 17.047, 84.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 47.545, 79.494 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(199, 153, 75)` looks like.

```
.text, #text, p{  
    color:rgb(199, 153, 75)  
}
```

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(199, 153, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 153, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 47.545, 79.494 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(199, 153, 75) }
```

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

```
.border{ border-color:rgb(199, 153, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 153, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 153, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 153, 75);  
box-shadow:4px 4px 4px 4px rgb(199, 153,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 47.545, 79.494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 153, 75) }
```

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

```
.background{ background-color: rgb(199,  
153, 75) }
```

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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