

Converting Colors

CIELCh(66, 45.952, 79.402)

Have a look what the booklet for
CIELCh(66, 45.952, 79.402) contains.

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Color

CIELCh(66, 45.952, 79.402)

Conversions

Conversions Part 1

Format	Color
Hex	C6994E
RGB	198, 153, 78
RGB Percent	78%, 60%, 31%
CMY	0.2237, 0.4001, 0.6942
CMYK	0.00, 0.23, 0.61, 0.22
HSL	38°, 51%, 54%
HSV	38°, 61%, 78%
XYZ	36.0407, 35.3238, 12.1212
YIQ	157.9050, 50.8950, -13.7850

Conversions

Conversions Part 2

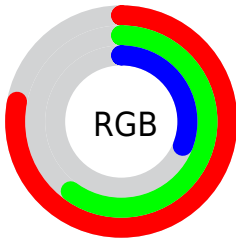
Format	Color
RYB	150, 198, 78
Decimal	13015374
CIELab	66.00, 8.45, 45.17
CIELCh	66, 45.952, 79.402
Yxy	35.3238, 0.4317, 0.4231
Android (android.graphics.Color)	4291205454 (0xFFC6994E)
YUV	157.9050, -39.3932, 35.1633
Hunter-Lab	59.4338, 4.2331, 29.5118

Details

The CIELCh color **66, 45.952, 79.402** 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 **52, 44.401, 280.019**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 45.573, 80.416**, and **46, 45.940, 79.166** is the 20% darker color. If you saturate the color by 10%, you get **64, 53.423, 77.832**, and if you desaturate by 10%, it is **68, 38.159, 80.880**.

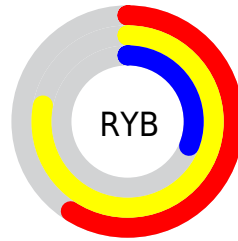
Distribution



Red (78%)

Green (60%)

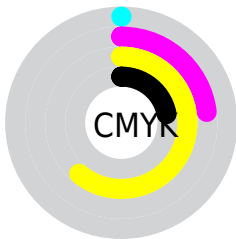
Blue (31%)



Red (59%)

Yellow (78%)

Blue (31%)

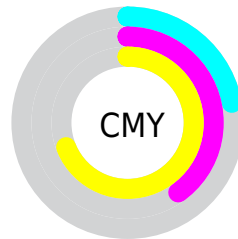


Cyan (0%)

Magenta (23%)

Yellow (61%)

Black (22%)



Cyan (22%)

Magenta (40%)

Yellow (69%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 45.952, 79.402 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, 45.952, 79.402 by changing the saturation by 10% instead.

 66, 45.952, 79.402

 66, 45.952, 79.402

 100, 45.952,
79.402

 56, 45.952, 79.402

 86, 45.952, 79.402

 46, 45.952, 79.402

 96, 45.952, 79.402

 36, 45.952, 79.402

 26, 45.952, 79.402

 16, 45.952, 79.402

 6, 45.952, 79.402

 0, 45.952, 79.402

 66, 45.952, 79.402

 66, 45.952, 79.402

 64, 53.423, 77.832

 68, 38.159, 80.880

62, 60.077, 76.068

70, 30.322, 82.297

60, 65.157, 73.944

73, 22.582, 83.671

58, 68.250, 71.559

75, 15.007, 85.004

77, 7.620, 86.286

80, 0.426, 86.946

82, 6.583, 268.828

85, 13.420,
269.967

87, 19.547,
270.355

Harmonies

Complementary

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



66, 45.952, 79.402



52, 44.401, 280.019

Rectangle

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



66, 45.952, 79.402



66, 45.952, 129.402



66, 45.952, 259.402



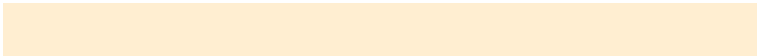
66, 45.952, 309.402

Sweetspot

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



66, 45.952, 79.406



95, 16.044, 85.310



51, 52.127, 358.855



50, 11.193, 84.924



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, 45.952, 79.406



80, 67.599, 77.245



77, 60.615, 110.261



41, 4.080, 86.438



49, 59.115, 72.050



9, 13.530, 73.579

Inverse Universe

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



52, 44.401, 280.019



59, 66.360, 284.542



41, 71.994, 302.119



39, 4.061, 268.931



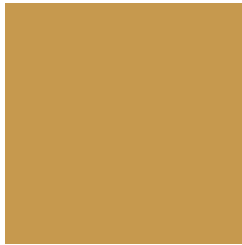
29, 64.743, 293.726



4, 16.024, 278.881

Previews

White Background



This preview shows how the CIELCh color 66, 45.952, 79.402 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, 45.952, 79.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

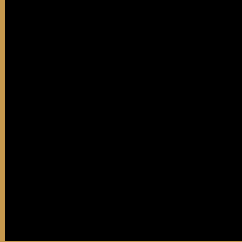
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 45.952, 79.402

Background



This preview shows how black text looks on a background with the CIELCh color 66, 45.952, 79.402.



This preview shows how white text looks on a background with the CIELCh color 66, 45.952, 79.402.

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, 45.952, 79.402

Protanopia

66, 43.584, 95.578

Deuteranopia

66, 45.952, 79.402



Tritanopia
66, 24.505, 7.756

Trichromacy



Original Color
66, 45.952, 79.402

Protanomaly
66, 43.855, 89.606

Deuteranomaly
66, 45.952, 79.402

Tritanomaly
66, 26.085, 45.995

Monochromacy



Original Color
66, 45.952, 79.402

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 16.540, 83.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 45.952, 79.402 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(198, 153, 78)` looks like.

```
.text, #text, p{  
    color:rgb(198, 153, 78)  
}
```

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(198, 153, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 153, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 45.952, 79.402 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(198, 153, 78) }
```

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

```
.border{ border-color:rgb(198, 153, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 153, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 153, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 153, 78);  
box-shadow:4px 4px 4px 4px rgb(198, 153,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 45.952, 79.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 153, 78) }
```

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

```
.background{ background-color: rgb(198,  
153, 78) }
```

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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