

Converting Colors

CIELCh(66, 38.343, 66.396)

Have a look what the booklet for
CIELCh(66, 38.343, 66.396) contains.

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Color

CIELCh(66, 38.228, 66.566)

Conversions

Conversions Part 1

Format	Color
Hex	CD9562
RGB	205, 149, 98
RGB Percent	80%, 58%, 38%
CMY	0.1964, 0.4159, 0.6159
CMYK	0.00, 0.27, 0.52, 0.20
HSL	29°, 52%, 59%
HSV	29°, 52%, 80%
XYZ	38.0957, 35.3238, 16.3502
YIQ	159.9300, 49.7470, -3.9890

Conversions

Conversions Part 2

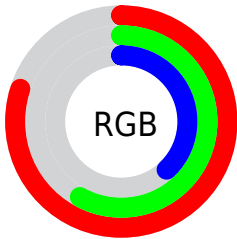
Format	Color
R_{YB}	205, 195, 98
Decimal	13473122
CIE _{Lab}	66.00, 15.20, 35.07
CIE _{LCh}	66, 38.228, 66.566
Yxy	35.3238, 0.4244, 0.3935
Android (android.graphics.Color)	4291663202 (0xFFCD9562)
YUV	159.9300, -30.5315, 39.5264
Hunter-Lab	59.4338, 10.4050, 25.2930

Details

The CIELCh color **66, 38.228, 66.566** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **62, 32.065, 262.850**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 35.416, 70.707**, and **46, 38.208, 66.275** is the 20% darker color. If you saturate the color by 10%, you get **63, 46.549, 65.338**, and if you desaturate by 10%, it is **69, 30.155, 67.779**.

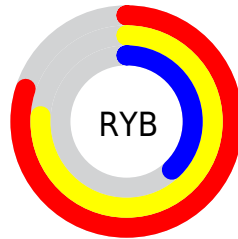
Distribution



Red (80%)

Green (58%)

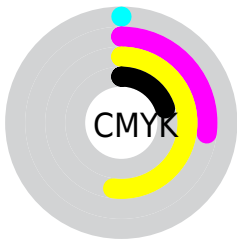
Blue (38%)



Red (80%)

Yellow (76%)

Blue (38%)

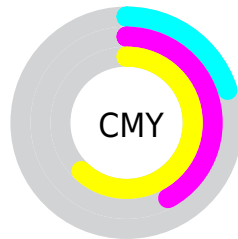


Cyan (0%)

Magenta (27%)

Yellow (52%)

Black (20%)



Cyan (20%)

Magenta (42%)

Yellow (62%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 38.228, 66.566 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, 38.228, 66.566 by changing the saturation by 10% instead.

 66, 38.228, 66.566

 66, 38.228, 66.566

 100, 38.228,
66.566

 56, 38.228, 66.566

 86, 38.228, 66.566

 46, 38.228, 66.566

 96, 38.228, 66.566

 36, 38.228, 66.566

 26, 38.228, 66.566

 16, 38.228, 66.566

 6, 38.228, 66.566

 0, 38.228, 66.566

 66, 38.228, 66.566

 66, 38.228, 66.566

 63, 46.549, 65.338

 69, 30.155, 67.779

60, 54.883, 64.020

72, 22.426, 68.982

58, 62.738, 62.471

75, 15.069, 70.181

55, 69.237, 60.403

78, 8.075, 71.360

54, 73.148, 58.426

82, 1.420, 72.318

85, 4.928, 253.840

88, 11.000,
254.931

91, 14.174,
246.988

94, 14.145,
219.066

Harmonies

Complementary

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



66, 38.228, 66.566



62, 32.065, 262.850

Rectangle

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



66, 38.228, 66.566



66, 38.228, 116.566



66, 38.228, 246.566



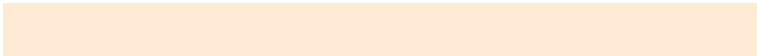
66, 38.228, 296.566

Sweetspot

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



66, 38.228, 66.571



94, 12.767, 70.893



56, 50.107, 347.307



49, 8.665, 70.647



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, 38.228, 66.571



77, 56.463, 65.136



79, 52.916, 103.703



41, 3.711, 71.681



44, 62.253, 59.047



8, 14.371, 54.898

Inverse Universe

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



62, 32.065, 262.850



71, 45.546, 266.577



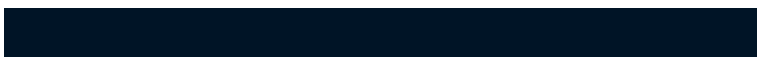
47, 60.783, 296.724



41, 3.619, 254.108



37, 49.523, 281.274



6, 14.711, 268.998

Previews

White Background



This preview shows how the CIELCh color 66, 38.228, 66.566 looks on a white background.

Color Contrast Check

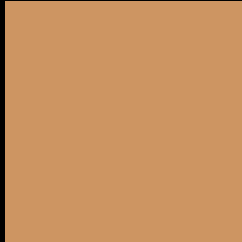
Large Text (above 18pt) WCAG AA × Fail

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, 38.228, 66.566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

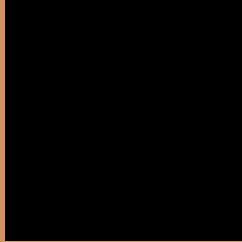
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 38.228, 66.566

Background



This preview shows how black text looks on a background with the CIELCh color 66, 38.228, 66.566.



This preview shows how white text looks on a background with the CIELCh color 66, 38.228, 66.566.

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, 38.228, 66.566

Protanopia

66, 32.718, 96.061

Deuteranopia

66, 36.342, 76.065



Tritanopia
66, 27.722, 9.844

Trichromacy



Original Color
66, 38.228, 66.566

Protanomaly
66, 33.358, 84.508

Deuteranomaly
66, 37.224, 72.853

Tritanomaly
66, 27.415, 35.565

Monochromacy



Original Color
66, 38.228, 66.566

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 13.343, 71.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 38.228, 66.566 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(205, 149, 98)` looks like.

```
.text, #text, p{  
    color:rgb(205, 149, 98)  
}
```

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(205, 149, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 149, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 38.228, 66.566 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(205, 149, 98) }
```

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

```
.border{ border-color:rgb(205, 149, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 149, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 149, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 149, 98);  
box-shadow:4px 4px 4px 4px rgb(205, 149,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 38.228, 66.566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 149, 98) }
```

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

```
.background{ background-color: rgb(205,  
149, 98) }
```

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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