

Converting Colors

CIELCh(66, 66.287, 85.598)

Have a look what the booklet for
CIELCh(66, 66.287, 85.598) contains.

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Color

CIELCh(66, 66.281, 85.764)

Conversions

Conversions Part 1

Format	Color
Hex	C69B17
RGB	198, 155, 23
RGB Percent	78%, 61%, 9%
CMY	0.2253, 0.3937, 0.9082
CMYK	0.00, 0.22, 0.88, 0.23
HSL	45°, 79%, 43%
HSV	45°, 88%, 77%
XYZ	34.9888, 35.3238, 5.8063
YIQ	152.8090, 68.0000, -31.9360

Conversions

Conversions Part 2

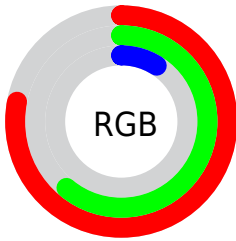
Format	Color
RYB	80, 198, 23
Decimal	13015831
CIELab	66.00, 4.90, 66.10
CIELCh	66, 66.281, 85.764
Yxy	35.3238, 0.4597, 0.4641
Android (android.graphics.Color)	4291205911 (0xFFC69B17)
YUV	152.8090, -63.9958, 39.6325
Hunter-Lab	59.4338, 1.0741, 35.8115

Details

The CIELCh color **66, 66.281, 85.764** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **34, 80.575, 297.358**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 65.849, 87.081**, and **46, 53.449, 83.771** is the 20% darker color. If you saturate the color by 10%, you get **65, 68.831, 83.961**, and if you desaturate by 10%, it is **67, 61.564, 87.350**.

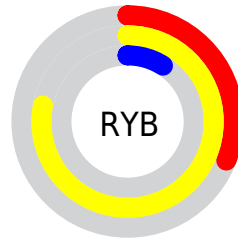
Distribution



Red (78%)

Green (61%)

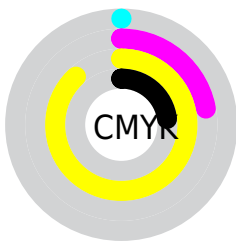
Blue (9%)



Red (31%)

Yellow (78%)

Blue (9%)

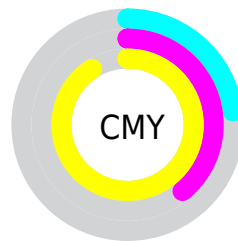


Cyan (0%)

Magenta (22%)

Yellow (88%)

Black (23%)



Cyan (23%)

Magenta (39%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 66.281, 85.764 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, 66.281, 85.764 by changing the saturation by 10% instead.

 66, 66.281, 85.764

 66, 66.281, 85.764

 100, 66.281,
85.764

 56, 66.281, 85.764

 86, 66.281, 85.764

 46, 66.281, 85.764

 96, 66.281, 85.764

 36, 66.281, 85.764

 26, 66.281, 85.764

 16, 66.281, 85.764

 6, 66.281, 85.764

 0, 66.281, 85.764

 66, 66.281, 85.764

 66, 66.281, 85.764

 65, 68.831, 83.961

 67, 61.564, 87.350

64, 69.230, 83.623

69, 55.149, 88.794

70, 47.702, 90.164

72, 39.707, 91.493

73, 31.464, 92.792

75, 23.146, 94.061

77, 14.849, 95.296

78, 6.623, 96.483

80, 1.507, 277.793

Harmonies

Complementary

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



66, 66.281, 85.764



34, 80.575, 297.358

Rectangle

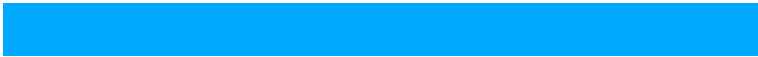
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 66.281, 85.764



66, 66.281, 135.764



66, 66.281, 265.764



66, 66.281, 315.764

Sweetspot

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



66, 66.280, 85.767



95, 26.282, 94.281



43, 69.002, 19.499



50, 17.842, 93.840



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, 66.280, 85.767



81, 83.797, 83.281



74, 79.714, 116.532



41, 4.639, 96.340



54, 60.146, 83.933



10, 15.213, 88.094

Inverse Universe

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



34, 80.575, 297.358



39, 112.861, 301.326



29, 101.151, 307.567



39, 4.676, 278.637



24, 78.628, 300.461



3, 17.880, 284.388

Previews

White Background



This preview shows how the CIELCh color 66, 66.281, 85.764 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, 66.281, 85.764 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, 66.281, 85.764

Background



This preview shows how black text looks on a background with the CIELCh color 66, 66.281, 85.764.



This preview shows how white text looks on a background with the CIELCh color 66, 66.281, 85.764.

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, 66.505, 85.797

Protanopia

66, 65.348, 95.178

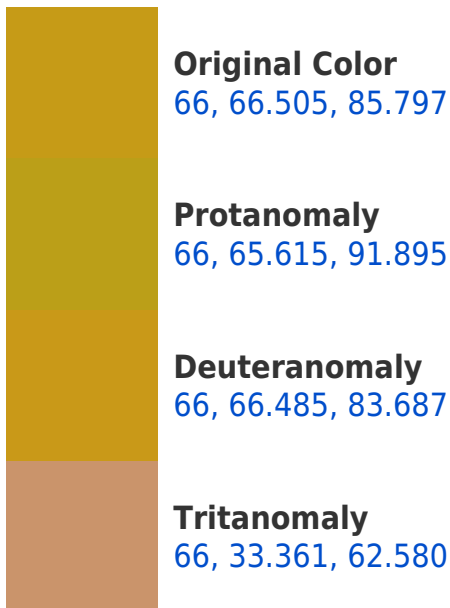
Deuteranopia

66, 66.489, 82.430



Tritanopia
66, 24.897, 8.035

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 66.281, 85.764 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, 155, 23)` looks like.

```
.text, #text, p{  
    color:rgb(198, 155, 23)  
}
```

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, 155, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 155, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 66.281, 85.764 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, 155, 23) }
```

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

```
.border{ border-color:rgb(198, 155, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 155, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 155, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 155, 23);  
box-shadow:4px 4px 4px 4px rgb(198, 155,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 66.281, 85.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 155, 23) }
```

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

```
.background{ background-color: rgb(198,  
155, 23) }
```

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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