

Converting Colors

CIELCh(66, 65.356, 97.726)

Have a look what the booklet for
CIELCh(66, 65.356, 97.726) contains.

CIELCh(66, 65.315, 97.621)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(66, 65.315, 97.621)

Conversions

Conversions Part 1

Format	Color
Hex	B0A21A
RGB	176, 162, 26
RGB Percent	69%, 64%, 10%
CMY	0.3082, 0.3632, 0.8997
CMYK	0.00, 0.08, 0.86, 0.31
HSL	54°, 75%, 40%
HSV	54°, 86%, 69%
XYZ	31.1658, 35.3238, 6.1271
YIQ	150.6820, 52.0000, -39.3280

Conversions

Conversions Part 2

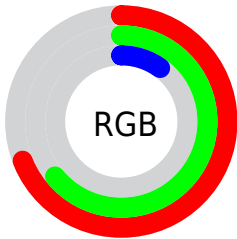
Format	Color
R _Y B	41, 176, 26
Decimal	11575834
CIE Lab	66.00, -8.66, 64.74
CIE LCh	66, 65.315, 97.621
Yxy	35.3238, 0.4292, 0.4864
Android (android.graphics.Color)	4289765914 (0xFFB0A21A)
YUV	150.6820, -61.4682, 22.2039
Hunter-Lab	59.4338, -10.4078, 35.4914

Details

The CIELCh color **66, 65.315, 97.621** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **26, 85.617, 302.344**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 65.238, 97.832**, and **46, 52.645, 98.564** is the 20% darker color. If you saturate the color by 10%, you get **66, 67.979, 96.865**, and if you desaturate by 10%, it is **67, 60.660, 98.460**.

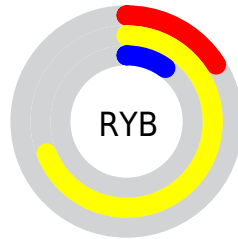
Distribution



Red (69%)

Green (64%)

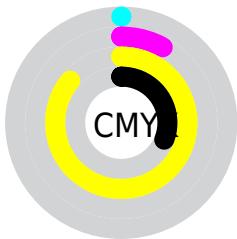
Blue (10%)



Red (16%)

Yellow (69%)

Blue (10%)

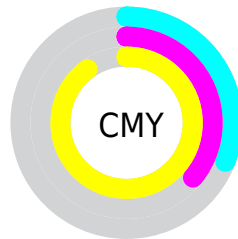


Cyan (0%)

Magenta (8%)

Yellow (86%)

Black (31%)



Cyan (31%)

Magenta (36%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 65.315, 97.621 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, 65.315, 97.621 by changing the saturation by 10% instead.

■ 66, 65.315, 97.621

■ 66, 65.315, 97.621

■ 100, 65.315,
97.621

■ 56, 65.315, 97.621

■ 86, 65.315, 97.621

■ 46, 65.315, 97.621

■ 96, 65.315, 97.621

■ 36, 65.315, 97.621

■ 26, 65.315, 97.621

■ 16, 65.315, 97.621

■ 6, 65.315, 97.621

■ 0, 65.315, 97.621

■ 66, 65.315, 97.621

■ 66, 65.315, 97.621

■ 66, 67.979, 96.865

■ 67, 60.660, 98.460

65, 68.836, 96.539

67, 54.429, 99.377

68, 47.123,
100.357

68, 39.146,
101.382

69, 30.777,
102.432

70, 22.195,
103.490

71, 13.511,
104.540

71, 4.793, 105.562

72, 3.919, 286.614

Harmonies

Complementary

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



66, 65.315, 97.621



26, 85.617, 302.344

Rectangle

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



66, 65.315, 97.621



66, 65.315, 147.621



66, 65.315, 277.621



66, 65.315, 327.621

Sweetspot

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



66, 65.315, 97.623



88, 28.012, 103.390



38, 66.383, 29.463



47, 18.949, 103.034



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



66, 65.315, 97.623



83, 83.713, 96.419



66, 74.889, 123.009



37, 4.980, 105.177



57, 62.021, 96.615



8, 11.529, 103.884

Inverse Universe

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



26, 85.617, 302.344



30, 119.163, 305.282



29, 88.679, 310.214



35, 5.068, 287.163



18, 86.773, 304.844



1, 12.369, 287.130

Previews

White Background



This preview shows how the CIELCh color 66, 65.315, 97.621 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, 65.315, 97.621 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, 65.315, 97.621

Background



This preview shows how black text looks on a background with the CIELCh color 66, 65.315, 97.621.



This preview shows how white text looks on a background with the CIELCh color 66, 65.315, 97.621.

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, 65.078, 97.626

Protanopia

66, 65.348, 95.178

Deuteranopia

66, 64.207, 82.378



Tritanopia
66, 15.076, 354.891

Trichromacy



Original Color
66, 65.078, 97.626

Protanomaly
66, 65.486, 96.420

Deuteranomaly
66, 64.213, 87.970

Tritanomaly
66, 26.252, 80.410

Monochromacy



Original Color
66, 65.078, 97.626

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 27.589, 102.687

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 65.315, 97.621 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(176, 162, 26)` looks like.

```
.text, #text, p{  
    color:rgb(176, 162, 26)  
}
```

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(176, 162, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 162, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 65.315, 97.621 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(176, 162, 26) }
```

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

```
.border{ border-color:rgb(176, 162, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 162, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 162, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 162, 26);  
box-shadow:4px 4px 4px 4px rgb(176, 162,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 65.315, 97.621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 162, 26) }
```

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

```
.background{ background-color: rgb(176,  
162, 26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor