

Converting Colors

CIELCh(66, 65.965, 101.928)

Have a look what the booklet for
CIELCh(66, 65.965, 101.928)
contains.

| | |
|--|----|
| CIELCh(66, 66.014, 102.059) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 21 |
| <i>Color Blindness Simulation</i> | 24 |
| <i>CSS Examples</i> | 27 |

Color

CIELCh(66, 66.014, 102.059)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A8A519 |
| RGB | 168, 165, 25 |
| RGB Percent | 66%, 65%, 10% |
| CMY | 0.3410, 0.3528, 0.9017 |
| CMYK | 0.00, 0.02, 0.85, 0.34 |
| HSL | 59°, 74%, 38% |
| HSV | 59°, 85%, 66% |
| XYZ | 29.7954, 35.3238, 6.1706 |
| YIQ | 149.9370, 46.7280, -42.9040 |

Conversions

Conversions Part 2

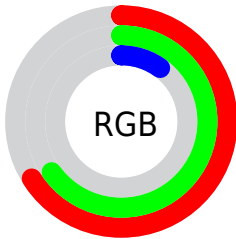
| Format | Color |
|-------------------------------------|---|
| RYB | 28, 168, 25 |
| Decimal | 11052313 |
| CIELab | 66.00, -13.79, 64.56 |
| CIELCh | 66, 66.014, 102.059 |
| Yxy | 35.3238, 0.4179, 0.4955 |
| Android (android.graphics.Color) | 4289242393 (0xFFA8A519) |
| YUV | 149.9370, -61.5939, 15.8413 |
| Hunter-Lab | 59.4338, -14.5236, 35.4480 |

Details

The CIELCh color **66, 66.014, 102.059** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **23, 87.437, 304.086**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 65.965, 102.339**, and **46, 53.518, 103.894** is the 20% darker color. If you saturate the color by 10%, you get **66, 68.812, 101.684**, and if you desaturate by 10%, it is **66, 61.344, 102.607**.

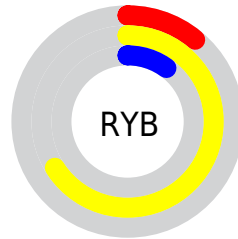
Distribution



Red (66%)

Green (65%)

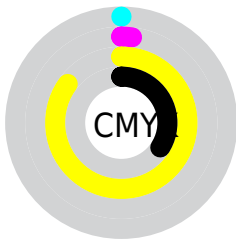
Blue (10%)



Red (11%)

Yellow (66%)

Blue (10%)

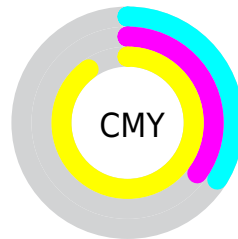


Cyan (0%)

Magenta (2%)

Yellow (85%)

Black (34%)



Cyan (34%)


Magenta (35%)


Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 66.014, 102.059 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, 66.014, 102.059 by changing the saturation by 10% instead.


 66, 66.014,
102.059


 66, 66.014,
102.059


 100, 66.014,
102.059


 56, 66.014,
102.059


 86, 66.014,
102.059

 46, 66.014,
102.059

 96, 66.014,
102.059

 36, 66.014,
102.059

 26, 66.014,
102.059

 16, 66.014,
102.059

 6, 66.014, 102.059

 0, 66.014, 102.059

■ 66, 66.014,
102.059

■ 66, 66.014,
102.059

■ 66, 68.812,
101.684

■ 66, 61.344,
102.607

■ 66, 69.824,
101.531

■ 66, 55.132,
103.301

■ 67, 47.814,
104.109

■ 67, 39.767,
104.998

■ 67, 31.266,
105.937

■ 68, 22.496,
106.903

■ 68, 13.575,
107.876

■ 69, 4.579, 108.835

Harmonies

Complementary

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



66, 66.014, 102.059



23, 87.437, 304.086

Rectangle

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



66, 66.014, 102.059



66, 66.014, 152.059



66, 66.014, 282.059



66, 66.014, 332.059

Sweetspot

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



66, 66.014, 102.061



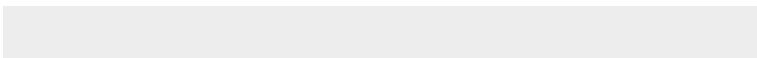
86, 28.936, 106.768



36, 66.137, 33.427



45, 19.549, 106.448



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



66, 66.014, 102.061



84, 85.128, 101.506



62, 73.347, 125.507



35, 5.103, 108.436



58, 63.583, 101.545



6, 9.274, 108.976

Inverse Universe

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



23, 87.437, 304.086



27, 118.524, 306.083



29, 84.262, 311.724



33, 5.209, 290.293



17, 88.084, 305.957



1, 9.385, 289.454

Previews

White Background



This preview shows how the CIELCh color 66, 66.014, 102.059 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, 66.014, 102.059 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, 66.014, 102.059

Background



This preview shows how black text looks on a background with the CIELCh color 66, 66.014, 102.059.

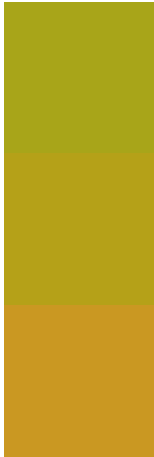


This preview shows how white text looks on a background with the CIELCh color 66, 66.014, 102.059.

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, 66.014, 102.059

Protanopia
66, 65.579, 95.181

Deuteranopia
66, 63.917, 82.317



Tritanopia
66, 11.666, 345.912

Trichromacy



Original Color
66, 66.014, 102.059

Protanomaly
66, 65.546, 97.616

Deuteranomaly
66, 63.745, 89.618

Tritanomaly
66, 24.770, 90.665

Monochromacy



Original Color
66, 66.014, 102.059

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 27.517, 105.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 66.014, 102.059 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(168, 165, 25)` looks like.

```
.text, #text, p{  
    color:rgb(168, 165, 25)  
}
```

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(168, 165, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 165, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 66.014, 102.059 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(168, 165, 25) }
```

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

```
.border{ border-color:rgb(168, 165, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 165, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 165, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 165, 25);  
box-shadow:4px 4px 4px 4px rgb(168, 165,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 66.014, 102.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 165, 25) }
```

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

```
.background{ background-color: rgb(168,  
165, 25) }
```

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