

Converting Colors

CIELCh(66, 50.291, 105.878)

Have a look what the booklet for
CIELCh(66, 50.291, 105.878)
contains.

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Color

CIELCh(66, 50.312, 105.858)

Conversions

Conversions Part 1

Format	Color
Hex	A3A545
RGB	163, 165, 69
RGB Percent	64%, 65%, 27%
CMY	0.3591, 0.3513, 0.7279
CMYK	0.01, 0.00, 0.58, 0.35
HSL	61°, 41%, 46%
HSV	61°, 58%, 65%
XYZ	29.8069, 35.3238, 10.9413
YIQ	153.4580, 29.6240, -30.2800

Conversions

Conversions Part 2

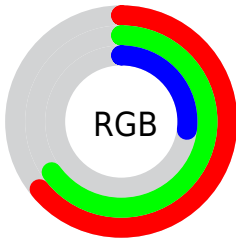
Format	Color
RYB	69, 165, 71
Decimal	10724677
CIELab	66.00, -13.75, 48.40
CIELCh	66, 50.312, 105.858
Yxy	35.3238, 0.3918, 0.4643
Android (android.graphics.Color)	4288914757 (0xFFA3A545)
YUV	153.4580, -41.6378, 8.3683
Hunter-Lab	59.4338, -14.4891, 30.6889

Details

The CIELCh color **66, 50.312, 105.858** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **35, 59.416, 299.412**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 50.290, 105.874**, and **46, 50.117, 105.471** is the 20% darker color. If you saturate the color by 10%, you get **66, 57.337, 105.175**, and if you desaturate by 10%, it is **66, 42.446, 106.653**.

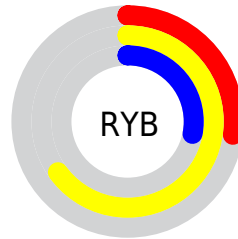
Distribution



Red (64%)

Green (65%)

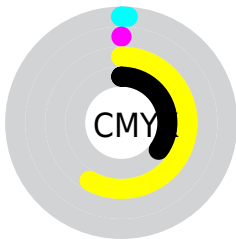
Blue (27%)



Red (27%)

Yellow (65%)

Blue (28%)

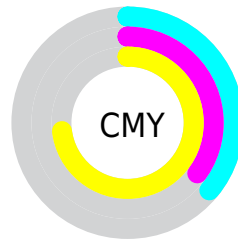


Cyan (1%)

Magenta (0%)

Yellow (58%)

Black (35%)



Cyan (36%)


Magenta (35%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 50.312, 105.858 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, 50.312, 105.858 by changing the saturation by 10% instead.

 66, 50.312,
105.858


 66, 50.312,
105.858


 100, 50.312,
105.858


 56, 50.312,
105.858


 86, 50.312,
105.858

 46, 50.312,
105.858


 96, 50.312,
105.858

 36, 50.312,
105.858

 26, 50.312,
105.858

 16, 50.312,
105.858

 6, 50.312, 105.858

 0, 50.312, 105.858

■ 66, 50.312,
105.858

■ 66, 50.312,
105.858

■ 66, 57.337,
105.175

■ 66, 42.446,
106.653

■ 66, 63.125,
104.639

■ 66, 34.037,
107.516

■ 66, 67.270,
104.296

■ 67, 25.294,
108.418

■ 66, 69.700,
104.147

■ 67, 16.355,
109.338

■ 66, 70.120,
104.124

■ 68, 7.309, 110.255

■ 68, 1.785, 291.196

■ 69, 10.890,
292.057

■ 69, 19.978,
292.909

■ 70, 29.030,
293.726

Harmonies

Complementary

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



66, 50.312, 105.858



35, 59.416, 299.412

Rectangle

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



66, 50.312, 105.858



66, 50.312, 155.858



66, 50.312, 285.858



66, 50.312, 335.858

Sweetspot

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



66, 50.313, 105.860



85, 19.017, 109.406



43, 43.895, 27.678



45, 12.689, 109.233



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



66, 50.313, 105.860



83, 71.950, 104.984



63, 54.827, 127.099



34, 5.081, 110.145



58, 63.774, 104.110



5, 7.948, 111.263

Inverse Universe

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



35, 59.416, 299.412



37, 89.875, 302.141



40, 59.498, 312.450



32, 5.191, 291.898



16, 87.908, 306.369



0, 7.949, 290.916

Previews

White Background



This preview shows how the CIELCh color 66, 50.312, 105.858 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, 50.312, 105.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

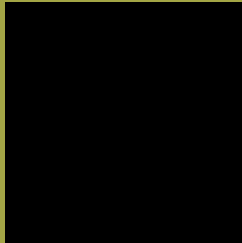
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 50.312, 105.858

Background



This preview shows how black text looks on a background with the CIELCh color 66, 50.312, 105.858.



This preview shows how white text looks on a background with the CIELCh color 66, 50.312, 105.858.

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, 50.312, 105.858

Protanopia

66, 49.710, 96.047

Deuteranopia

66, 48.228, 80.327



Tritanopia
66, 9.575, 336.358

Trichromacy



Original Color
66, 50.312, 105.858

Protanomaly
66, 49.677, 99.731

Deuteranomaly
66, 47.633, 90.366

Tritanomaly
66, 15.562, 91.741

Monochromacy



Original Color
66, 50.312, 105.858

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 19.308, 109.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 50.312, 105.858 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(163, 165, 69)` looks like.

```
.text, #text, p{  
    color:rgb(163, 165, 69)  
}
```

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(163, 165, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 165, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 50.312, 105.858 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(163, 165, 69) }
```

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

```
.border{ border-color:rgb(163, 165, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 165, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 165, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 165, 69);  
box-shadow:4px 4px 4px 4px rgb(163, 165,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 50.312, 105.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 165, 69) }
```

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

```
.background{ background-color: rgb(163,  
165, 69) }
```

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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