

Converting Colors

CIELCh(66, 50.858, 109.934)

Have a look what the booklet for
CIELCh(66, 50.858, 109.934)
contains.

CIELCh(66, 50.920, 109.803)	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, 50.920, 109.803)

Conversions

Conversions Part 1

Format	Color
Hex	9DA746
RGB	157, 167, 70
RGB Percent	62%, 65%, 27%
CMY	0.3837, 0.3445, 0.7249
CMYK	0.06, 0.00, 0.58, 0.34
HSL	66°, 41%, 47%
HSV	66°, 58%, 66%
XYZ	28.8942, 35.3238, 11.1146
YIQ	152.9520, 25.1770, -32.2870

Conversions

Conversions Part 2

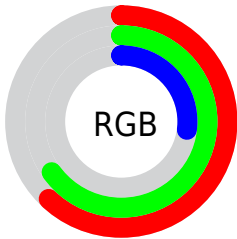
Format	Color
RYB	70, 167, 80
Decimal	10331974
CIELab	66.00, -17.25, 47.91
CIELCh	66, 50.920, 109.803
Yxy	35.3238, 0.3836, 0.4689
Android (android.graphics.Color)	4288522054 (0xFF9DA746)
YUV	152.9520, -40.8953, 3.5501
Hunter-Lab	59.4338, -17.2301, 30.5160

Details

The CIELCh color **66, 50.920, 109.803** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **36, 59.804, 301.270**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 50.847, 110.020**, and **46, 50.939, 109.752** is the 20% darker color. If you saturate the color by 10%, you get **66, 58.051, 109.276**, and if you desaturate by 10%, it is **66, 42.949, 110.465**.

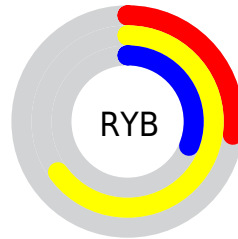
Distribution



Red (62%)

Green (65%)

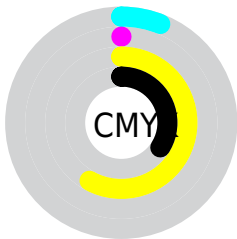
Blue (27%)



Red (27%)

Yellow (65%)

Blue (31%)

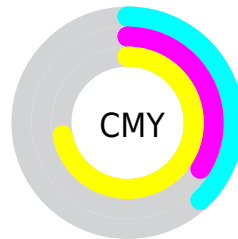


Cyan (6%)

Magenta (0%)

Yellow (58%)

Black (34%)



Cyan (38%)


Magenta (34%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 50.920, 109.803 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, 50.920, 109.803 by changing the saturation by 10% instead.


 66, 50.920,
109.803


 66, 50.920,
109.803


 100, 50.920,
109.803


 56, 50.920,
109.803


 86, 50.920,
109.803

 46, 50.920,
109.803

 96, 50.920,
109.803

 36, 50.920,
109.803

 26, 50.920,
109.803

 16, 50.920,
109.803

 6, 50.920, 109.803

 0, 50.920, 109.803

■ 66, 50.920,
109.803

■ 66, 50.920,
109.803

■ 66, 58.051,
109.276

■ 66, 42.949,
110.465

■ 65, 63.949,
108.939

■ 67, 34.434,
111.206

■ 65, 68.200,
108.861

■ 67, 25.585,
111.991

■ 65, 70.724,
109.055

■ 68, 16.537,
112.793

■ 65, 71.165,
109.100

■ 68, 7.382, 113.593

■ 69, 1.821, 294.393

■ 69, 11.030,
295.144

■ 70, 20.218,
295.873

■ 71, 29.364,
296.567

Harmonies

Complementary

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



66, 50.920, 109.803



36, 59.804, 301.270

Rectangle

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



66, 50.920, 109.803



66, 50.920, 159.803



66, 50.920, 289.803



66, 50.920, 339.803

Sweetspot

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



66, 50.921, 109.805



85, 19.265, 112.852



45, 41.743, 32.874



46, 12.980, 112.698



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, 50.921, 109.805



83, 72.947, 109.143



63, 56.622, 129.862



35, 5.229, 113.493



58, 65.036, 109.039



6, 9.614, 115.683

Inverse Universe

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



36, 59.804, 301.270



39, 90.314, 303.458



41, 60.250, 314.962



33, 5.341, 295.009



17, 88.550, 306.706



1, 9.584, 293.665

Previews

White Background



This preview shows how the CIELCh color 66, 50.920, 109.803 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, 50.920, 109.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

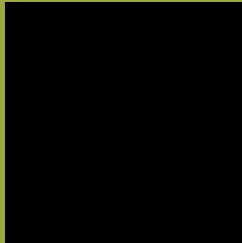
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 50.920, 109.803

Background



This preview shows how black text looks on a background with the CIELCh color 66, 50.920, 109.803.



This preview shows how white text looks on a background with the CIELCh color 66, 50.920, 109.803.

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, 50.920, 109.803

Protanopia
66, 49.360, 95.467

Deuteranopia
66, 47.590, 79.448



Tritanopia
66, 7.878, 322.499

Trichromacy



Original Color
66, 50.920, 109.803

Protanomaly
66, 49.556, 101.279

Deuteranomaly
66, 46.912, 91.343

Tritanomaly
66, 15.456, 104.009

Monochromacy



Original Color
66, 50.920, 109.803

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 19.351, 111.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 50.920, 109.803 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(157, 167, 70)` looks like.

```
.text, #text, p{  
    color:rgb(157, 167, 70)  
}
```

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(157, 167, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 167, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 50.920, 109.803 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(157, 167, 70) }
```

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

```
.border{ border-color:rgb(157, 167, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 167, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 167, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 167, 70);  
box-shadow:4px 4px 4px 4px rgb(157, 167,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 50.920, 109.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 167, 70) }
```

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

```
.background{ background-color: rgb(157,  
167, 70) }
```

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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