

Converting Colors

CIELCh(42, 66.610, 106.490)

Have a look what the booklet for
CIELCh(42, 66.610, 106.490)
contains.

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Color

CIELCh(42, 51.295, 109.942)

Conversions

Conversions Part 1

Format	Color
Hex	5C6900
RGB	92, 105, 0
RGB Percent	36%, 41%, 0%
CMY	0.6374, 0.5863, 1.0000
CMYK	0.12, 0.00, 1.00, 0.59
HSL	67°, 100%, 21%
HSV	67°, 100%, 41%
XYZ	9.5571, 12.5000, 1.8896
YIQ	89.1430, 25.9570, -35.4110

Conversions

Conversions Part 2

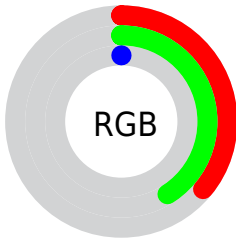
Format	Color
RYB	0, 105, 13
Decimal	6056192
CIELab	42.00, -17.50, 48.22
CIElCh	42, 51.295, 109.942
Yxy	12.5000, 0.3991, 0.5220
Android (android.graphics.Color)	4284246272 (0xFF5C6900)
YUV	89.1430, -43.9475, 2.5056
Hunter-Lab	35.3553, -13.6207, 21.5799

Details

The CIELCh color **42, 51.295, 109.942** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **10, 69.129, 307.007**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 51.131, 110.080**, and **22, 33.982, 117.669** is the 20% darker color. If you saturate the color by 10%, you get **42, 51.126, 109.989**, and if you desaturate by 10%, it is **42, 48.522, 109.947**.

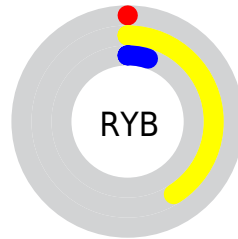
Distribution



Red (36%)

Green (41%)

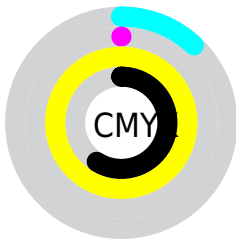
Blue (0%)



Red (0%)

Yellow (41%)

Blue (5%)

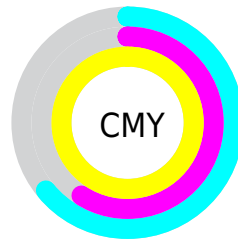


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (59%)



Cyan (64%)


Magenta (59%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 51.295, 109.942 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 42, 51.295, 109.942 by changing the saturation by 10% instead.


 42, 51.295,
109.942


 42, 51.295,
109.942


 100, 51.295,
109.942


 32, 51.295,
109.942

 62, 51.295,
109.942


 22, 51.295,
109.942

 72, 51.295,
109.942

 12, 51.295,
109.942

 82, 51.295,
109.942

 2, 51.295, 109.942

 92, 51.295,
109.942

 0, 51.295, 109.942

 42, 51.295,

 42, 51.295,

109.942

■ 42, 51.126,
109.989

109.942

■ 42, 48.522,
109.947

■ 42, 45.373,
110.014

■ 42, 41.185,
110.321

■ 43, 36.221,
110.806

■ 43, 30.721,
111.412

■ 43, 24.870,
112.094

■ 44, 18.798,
112.817

■ 44, 12.592,
113.558

Harmonies

Complementary

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



42, 51.295, 109.942



10, 69.129, 307.007

Rectangle

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



42, 51.295, 109.942



42, 51.295, 159.942



42, 51.295, 289.942



42, 51.295, 339.942

Sweetspot

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



42, 51.126, 109.989



56, 23.382, 112.755



21, 50.341, 39.474



28, 15.800, 112.533



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



42, 51.126, 109.989



54, 61.912, 110.184



39, 58.526, 130.594



22, 3.591, 114.373



47, 55.142, 110.071



91, 94.993, 110.482

Inverse Universe

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



10, 69.129, 307.007



15, 83.869, 306.851



16, 63.353, 315.423



20, 3.662, 295.718



12, 74.620, 306.938



31, 128.973, 306.654

Previews

White Background



This preview shows how the CIELCh color 42, 51.295, 109.942 looks on a white 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 × Fail

Black Background



This preview shows how the CIELCh color 42, 51.295, 109.942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

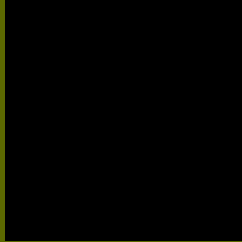
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 51.295, 109.942

Background



This preview shows how black text looks on a background with the CIELCh color 42, 51.295, 109.942.



This preview shows how white text looks on a background with the CIELCh color 42, 51.295, 109.942.

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

42, 50.960, 110.000

Protanopia

42, 48.897, 95.162

Deuteranopia

42, 44.751, 83.139



Tritanopia
42, 4.921, 300.359

Trichromacy



Original Color
42, 50.960, 110.000

Protanomaly
42, 49.146, 100.523

Deuteranomaly
42, 45.912, 93.810

Tritanomaly
42, 20.294, 112.307

Monochromacy



Original Color
42, 50.960, 110.000

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 23.375, 112.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 51.295, 109.942 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(92, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(92, 105, 0)  
}
```

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(92, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 105, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 51.295, 109.942 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(92, 105, 0) }
```

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

```
.border{ border-color:rgb(92, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(92, 105, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 51.295, 109.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 105, 0) }
```

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

```
.background{ background-color: rgb(92, 105,  
0) }
```

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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