

Converting Colors

CIELCh(41, 49.900, 109.763)

Have a look what the booklet for
CIELCh(41, 49.900, 109.763)
contains.

CIELCh(41, 49.962, 109.643)	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(41, 49.962, 109.643)

Conversions

Conversions Part 1

Format	Color
Hex	5B6701
RGB	91, 103, 1
RGB Percent	36%, 40%, 0%
CMY	0.6441, 0.5970, 0.9973
CMYK	0.12, 0.00, 0.99, 0.60
HSL	67°, 99%, 20%
HSV	67°, 99%, 40%
XYZ	9.1187, 11.8645, 1.8290
YIQ	87.7840, 25.5900, -34.2660

Conversions

Conversions Part 2

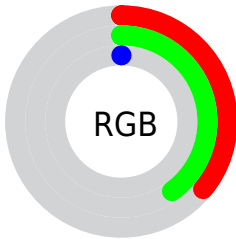
Format	Color
R_{YB}	1, 103, 13
Decimal	5990145
CIE Lab	41.00, -16.80, 47.05
CIE LCh	41, 49.962, 109.643
Yxy	11.8645, 0.3997, 0.5201
Android (android.graphics.Color)	4284180225 (0xFF5B6701)
YUV	87.7840, -42.7845, 2.8204
Hunter-Lab	34.4449, -13.0237, 20.9631

Details

The CIELCh color $41, 49.962, 109.643$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $10, 67.461, 306.877$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $61, 49.791, 109.810$, and $21, 32.905, 117.421$ is the 20% darker color. If you saturate the color by 10%, you get $41, 50.145, 109.642$, and if you desaturate by 10%, it is $41, 47.357, 109.634$.

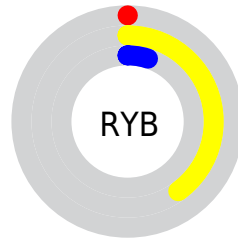
Distribution



Red (36%)

Green (40%)

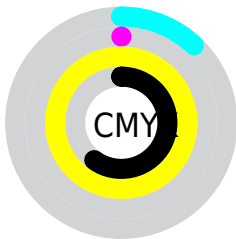
Blue (0%)



Red (0%)

Yellow (40%)

Blue (5%)

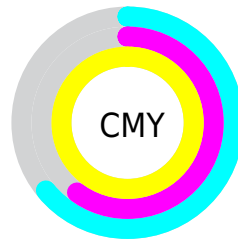


Cyan (12%)

Magenta (0%)

Yellow (99%)

Black (60%)



Cyan (64%)

Magenta (60%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 49.962, 109.643 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 41, 49.962, 109.643 by changing the saturation by 10% instead.


 41, 49.962,
109.643

 41, 49.962,
109.643


 100, 49.962,
109.643

 31, 49.962,
109.643

 61, 49.962,
109.643


 21, 49.962,
109.643

 71, 49.962,
109.643

 11, 49.962,
109.643


 81, 49.962,
109.643

 1, 49.962, 109.643

 91, 49.962,
109.643

 0, 49.962, 109.643

 41, 49.962,

 41, 49.962,

109.643

■ 41, 50.145,
109.642

109.643

■ 41, 47.357,
109.634

■ 41, 44.177,
109.740

■ 41, 40.004,
110.076

■ 42, 35.096,
110.582

■ 42, 29.682,
111.202

■ 42, 23.938,
111.894

■ 42, 17.986,
112.625

■ 43, 11.909,
113.371

Harmonies

Complementary

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



41, 49.962, 109.643



10, 67.461, 306.877

Rectangle

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



41, 49.962, 109.643



41, 49.962, 159.643



41, 49.962, 289.643



41, 49.962, 339.643

Sweetspot

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



41, 49.962, 109.645



54, 22.662, 112.513



21, 48.917, 39.168



27, 15.305, 112.297



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



41, 49.962, 109.645



52, 60.185, 109.825



38, 57.191, 130.542



21, 3.445, 114.146



46, 54.235, 109.726



91, 94.153, 110.131

Inverse Universe

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



10, 67.461, 306.877



14, 81.626, 306.835



16, 61.895, 315.460



19, 3.513, 295.492



11, 73.485, 306.915



31, 128.007, 306.629

Previews

White Background



This preview shows how the CIELCh color 41, 49.962, 109.643 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 41, 49.962, 109.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

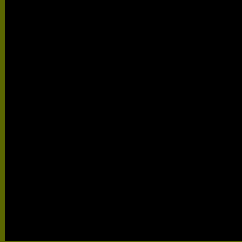
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 49.962, 109.643

Background



This preview shows how black text looks on a background with the CIELCh color 41, 49.962, 109.643.



This preview shows how white text looks on a background with the CIELCh color 41, 49.962, 109.643.

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


41, 49.962, 109.643

Protanopia

41, 48.148, 95.622

Deuteranopia

41, 44.134, 83.433



Tritanopia
41, 4.341, 301.638

Trichromacy



Original Color
41, 49.962, 109.643

Protanomaly
41, 48.444, 101.075

Deuteranomaly
41, 45.165, 93.635

Tritanomaly
41, 19.186, 111.353

Monochromacy



Original Color
41, 49.962, 109.643

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 22.285, 111.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 49.962, 109.643 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(91, 103, 1)` looks like.

```
.text, #text, p{  
    color:rgb(91, 103, 1)  
}
```

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(91, 103, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 103, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 49.962, 109.643 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(91, 103, 1) }
```

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

```
.border{ border-color:rgb(91, 103, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 103, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 103, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 103, 1);  
box-shadow:4px 4px 4px 4px rgb(91, 103, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 49.962, 109.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 103, 1) }
```

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

```
.background{ background-color: rgb(91, 103,  
1) }
```

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