

Converting Colors

CIELCh(41, 49.146, 109.587)

Have a look what the booklet for
CIELCh(41, 49.146, 109.587)
contains.

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Color

CIELCh(41, 49.204, 109.845)

Conversions

Conversions Part 1

Format	Color
Hex	5B6704
RGB	91, 103, 4
RGB Percent	36%, 40%, 2%
CMY	0.6443, 0.5971, 0.9858
CMYK	0.12, 0.00, 0.96, 0.60
HSL	67°, 93%, 21%
HSV	67°, 96%, 40%
XYZ	9.1297, 11.8645, 1.9131
YIQ	88.1260, 24.6270, -33.3330

Conversions

Conversions Part 2

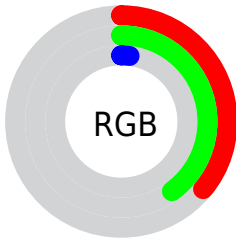
Format	Color
R_{YB}	4, 103, 16
Decimal	5990148
CIE _{Lab}	41.00, -16.70, 46.28
CIE _{LCh}	41, 49.204, 109.845
Yxy	11.8645, 0.3985, 0.5179
Android (android.graphics.Color)	4284180228 (0xFF5B6704)
YUV	88.1260, -41.4741, 2.5205
Hunter-Lab	34.4449, -12.9669, 20.8185

Details

The CIELCh color **41, 49.204, 109.845** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **10, 65.678, 306.471**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 49.346, 109.901**, and **21, 32.905, 117.421** is the 20% darker color. If you saturate the color by 10%, you get **41, 50.161, 109.840**, and if you desaturate by 10%, it is **41, 46.571, 109.822**.

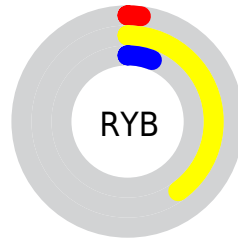
Distribution



Red (36%)

Green (40%)

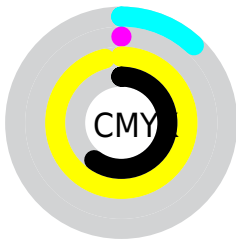
Blue (2%)



Red (2%)

Yellow (40%)

Blue (6%)

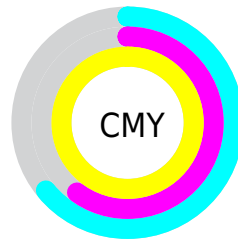


Cyan (12%)

Magenta (0%)

Yellow (96%)

Black (60%)



Cyan (64%)


Magenta (60%)


Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 49.204, 109.845 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, 49.204, 109.845 by changing the saturation by 10% instead.


 41, 49.204,
109.845


 41, 49.204,
109.845


 100, 49.204,
109.845


 31, 49.204,
109.845

 61, 49.204,
109.845


 21, 49.204,
109.845

 71, 49.204,
109.845

 11, 49.204,
109.845

 81, 49.204,
109.845

 1, 49.204, 109.845

 91, 49.204,
109.845

 0, 49.204, 109.845

 41, 49.204,

 41, 49.204,

109.845

■ 41, 50.161,
109.840

109.845

■ 41, 46.571,
109.822

■ 41, 43.078,
109.992

■ 41, 38.666,
110.377

■ 42, 33.590,
110.915

■ 42, 28.065,
111.554

■ 42, 22.250,
112.256

■ 43, 16.255,
112.988

■ 43, 10.152,
113.731

Harmonies

Complementary

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



41, 49.204, 109.845



10, 65.678, 306.471

Rectangle

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



41, 49.204, 109.845



41, 49.204, 159.845



41, 49.204, 289.845



41, 49.204, 339.845

Sweetspot

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



41, 49.204, 109.847



54, 21.926, 112.741



21, 47.825, 38.867



27, 14.894, 112.519



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, 49.204, 109.847



52, 60.217, 110.029



38, 56.192, 130.506



21, 3.446, 114.288



46, 54.263, 109.927



91, 94.207, 110.343

Inverse Universe

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



10, 65.678, 306.471



14, 81.600, 306.856



16, 60.700, 315.489



19, 3.514, 295.625



11, 73.460, 306.937



31, 127.973, 306.646

Previews

White Background



This preview shows how the CIELCh color 41, 49.204, 109.845 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 CIE LCh color 41, 49.204, 109.845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

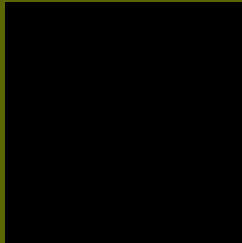
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 49.204, 109.845

Background



This preview shows how black text looks on a background with the CIELCh color 41, 49.204, 109.845.



This preview shows how white text looks on a background with the CIELCh color 41, 49.204, 109.845.

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, 49.204, 109.845

Protanopia

41, 48.148, 95.622

Deuteranopia

41, 43.802, 83.339



Tritanopia
41, 5.034, 304.956

Trichromacy



Original Color
41, 49.204, 109.845

Protanomaly
41, 48.174, 101.104

Deuteranomaly
41, 44.619, 93.606

Tritanomaly
41, 18.602, 111.562

Monochromacy



Original Color
41, 49.204, 109.845

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 21.709, 111.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 49.204, 109.845 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(91, 103, 4)  
}
```

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, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 41, 49.204, 109.845 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, 4) }
```

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

```
.border{ border-color:rgb(91, 103, 4) }
```

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, 4)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 41, 49.204, 109.845 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, 4) }
```

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

```
.background{ background-color: rgb(91, 103,  
4) }
```

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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