

Converting Colors

CIELCh(40, 71.858, 103.254)

Have a look what the booklet for
CIELCh(40, 71.858, 103.254)
contains.

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Color

CIELCh(40, 48.973, 107.488)

Conversions

Conversions Part 1

Format	Color
Hex	5B6300
RGB	91, 99, 0
RGB Percent	36%, 39%, 0%
CMY	0.6415, 0.6100, 1.0000
CMYK	0.08, 0.00, 1.00, 0.61
HSL	65°, 100%, 19%
HSV	65°, 100%, 39%
XYZ	8.8546, 11.2510, 1.6852
YIQ	85.3220, 27.0110, -32.4850

Conversions

Conversions Part 2

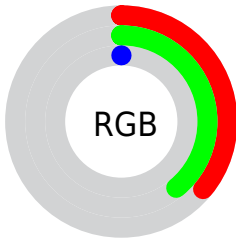
Format	Color
R_{YB}	0, 99, 8
Decimal	5989120
CIE _{Lab}	40.00, -14.72, 46.71
CIE _{LCh}	40, 48.973, 107.488
Yxy	11.2510, 0.4063, 0.5163
Android (android.graphics.Color)	4284179200 (0xFF5B6300)
YUV	85.3220, -42.0637, 4.9796
Hunter-Lab	33.5425, -11.5787, 20.5009

Details

The CIELCh color $[40, 48.973, 107.488]$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $[9, 66.549, 306.780]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[60, 48.815, 107.822]$, and $[20, 31.057, 115.643]$ is the 20% darker color. If you saturate the color by 10%, you get $[40, 48.786, 107.533]$, and if you desaturate by 10%, it is $[40, 46.180, 107.654]$.

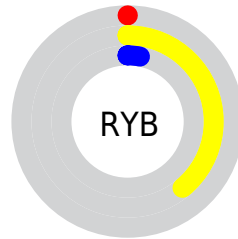
Distribution



Red (36%)

Green (39%)

Blue (0%)



Red (0%)

Yellow (39%)

Blue (3%)

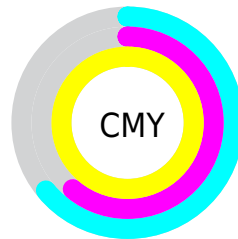


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (61%)



Cyan (64%)

Magenta (61%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 48.973, 107.488 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 40, 48.973, 107.488 by changing the saturation by 10% instead.

 40, 48.973,
107.488

 40, 48.973,
107.488

 100, 48.973,
107.488

 30, 48.973,
107.488

 60, 48.973,
107.488

 20, 48.973,
107.488

 70, 48.973,
107.488

 10, 48.973,
107.488

 80, 48.973,
107.488

 0, 48.973, 107.488

 90, 48.973,
107.488

 40, 48.973,

 40, 48.973,

107.488

107.488

■ 40, 48.786,
107.533

■ 40, 46.180,
107.654

■ 40, 43.154,
107.851

■ 40, 39.151,
108.255

■ 41, 34.420,
108.815

■ 41, 29.188,
109.483

■ 41, 23.627,
110.219

■ 41, 17.858,
110.993

■ 41, 11.962,
111.784

Harmonies

Complementary

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



40, 48.973, 107.488



9, 66.549, 306.780

Rectangle

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



40, 48.973, 107.488



40, 48.973, 157.488



40, 48.973, 287.488



40, 48.973, 337.488

Sweetspot

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



40, 48.786, 107.533



53, 22.252, 110.923



19, 48.408, 37.519



27, 15.269, 110.688



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 48.786, 107.533



52, 59.070, 107.671



37, 55.283, 129.134



20, 3.292, 112.664



45, 53.132, 107.599



91, 92.932, 107.892

Inverse Universe

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



9, 66.549, 306.780



14, 80.722, 306.650



14, 61.339, 314.175



18, 3.357, 294.089



11, 72.540, 306.718



30, 127.284, 306.483

Previews

White Background



This preview shows how the CIELCh color 40, 48.973, 107.488 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 40, 48.973, 107.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

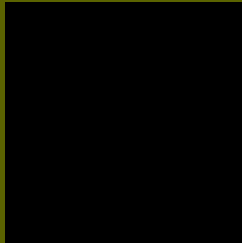
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 48.973, 107.488

Background



This preview shows how black text looks on a background with the CIELCh color 40, 48.973, 107.488.



This preview shows how white text looks on a background with the CIELCh color 40, 48.973, 107.488.

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


40, 48.633, 107.529

Protanopia

40, 47.399, 96.099

Deuteranopia

40, 43.347, 82.921



Tritanopia
40, 5.704, 321.333

Trichromacy



Original Color
40, 48.633, 107.529

Protanomaly
40, 47.777, 100.439

Deuteranomaly
40, 44.404, 92.730

Tritanomaly
40, 18.638, 105.824

Monochromacy



Original Color
40, 48.633, 107.529

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 21.737, 110.397

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 48.973, 107.488 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, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(91, 99, 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(91, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 99, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 48.973, 107.488 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, 99, 0) }
```

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

```
.border{ border-color:rgb(91, 99, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 99, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 99, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(91, 99, 0); box-shadow:4px  
4px 4px 4px rgb(91, 99, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 48.973, 107.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 99, 0) }
```

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

```
.background{ background-color: rgb(91, 99,  
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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