

Converting Colors

CIELCh(40, 51.108, 116.440)

Have a look what the booklet for
CIELCh(40, 51.108, 116.440)
contains.

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Color

CIELCh(40, 51.224, 116.415)

Conversions

Conversions Part 1

Format	Color
Hex	4E6701
RGB	78, 103, 1
RGB Percent	31%, 40%, 0%
CMY	0.6953, 0.5972, 0.9975
CMYK	0.24, 0.00, 0.99, 0.60
HSL	75°, 99%, 20%
HSV	75°, 99%, 40%
XYZ	7.9419, 11.2510, 1.7712
YIQ	83.8970, 17.8420, -37.0220

Conversions

Conversions Part 2

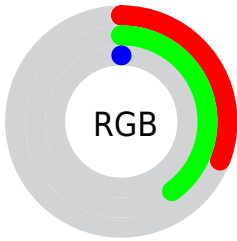
Format	Color
R_{YB}	1, 103, 26
Decimal	5138177
CIE Lab	40.00, -22.79, 45.88
CIE LCh	40, 51.224, 116.415
Yxy	11.2510, 0.3788, 0.5367
Android (android.graphics.Color)	4283328257 (0xFF4E6701)
YUV	83.8970, -40.8682, -5.1717
Hunter-Lab	33.5425, -16.4354, 20.3489

Details

The CIELCh color **40, 51.224, 116.415** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 66.374, 308.073**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 51.233, 116.533**, and **20, 35.078, 127.012** is the 20% darker color. If you saturate the color by 10%, you get **40, 51.407, 116.430**, and if you desaturate by 10%, it is **40, 48.417, 116.110**.

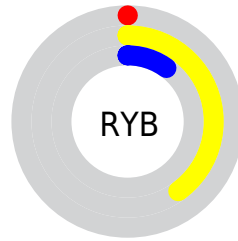
Distribution



Red (31%)

Green (40%)

Blue (0%)



Red (0%)

Yellow (40%)

Blue (10%)

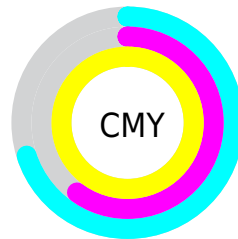


Cyan (24%)

Magenta (0%)

Yellow (99%)

Black (60%)



Cyan (70%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 51.224, 116.415 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, 51.224, 116.415 by changing the saturation by 10% instead.


 40, 51.224,
116.415


 40, 51.224,
116.415


 100, 51.224,
116.415


 30, 51.224,
116.415

 60, 51.224,
116.415


 20, 51.224,
116.415

 70, 51.224,
116.415


 10, 51.224,
116.415

 80, 51.224,
116.415

 0, 51.224, 116.415

 90, 51.224,
116.415

 40, 51.224,

 40, 51.224,

116.415

■ 40, 51.407,
116.430

116.415

■ 40, 48.417,
116.110

■ 40, 45.062,
115.933

■ 41, 40.738,
116.050

■ 41, 35.698,
116.377

■ 41, 30.167,
116.841

■ 42, 24.316,
117.386

■ 42, 18.264,
117.973

■ 43, 12.094,
118.576

Harmonies

Complementary

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



40, 51.224, 116.415



11, 66.374, 308.073

Rectangle

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



40, 51.224, 116.415



40, 51.224, 166.415



40, 51.224, 296.415



40, 51.224, 346.415

Sweetspot

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



40, 51.224, 116.417



54, 22.986, 117.886



22, 46.887, 43.874



27, 15.528, 117.712



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, 51.224, 116.417



51, 61.797, 116.770



38, 58.877, 133.060



21, 3.488, 119.204



45, 55.650, 116.586



89, 96.880, 117.333

Inverse Universe

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



11, 66.374, 308.073



15, 80.363, 307.905



18, 60.665, 318.918



19, 3.552, 300.262



12, 72.312, 308.031



33, 126.241, 307.553

Previews

White Background



This preview shows how the CIELCh color 40, 51.224, 116.415 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 40, 51.224, 116.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

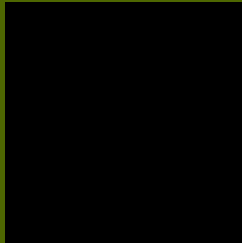
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 51.224, 116.415

Background



This preview shows how black text looks on a background with the CIELCh color 40, 51.224, 116.415.



This preview shows how white text looks on a background with the CIELCh color 40, 51.224, 116.415.

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, 51.224, 116.415

Protanopia
40, 47.127, 95.423

Deuteranopia
40, 42.320, 82.605



Tritanopia
40, 5.753, 257.439

Trichromacy



Original Color
40, 51.224, 116.415

Protanomaly
40, 47.745, 103.453

Deuteranomaly
40, 43.721, 96.708

Tritanomaly
40, 20.231, 125.372

Monochromacy



Original Color
40, 51.224, 116.415

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 22.699, 117.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 51.224, 116.415 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(78, 103, 1)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 103, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 103, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 51.224, 116.415 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(78, 103, 1) }
```

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

```
.border{ border-color:rgb(78, 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(78, 103, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 103, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 103, 1);  
box-shadow:4px 4px 4px 4px rgb(78, 103, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 51.224, 116.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 103, 1) }
```

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

```
.background{ background-color: rgb(78, 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](#).

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