

Converting Colors

CIELCh(40, 51.437, 131.158)

Have a look what the booklet for
CIELCh(40, 51.437, 131.158)
contains.

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Color

CIELCh(40, 51.596, 131.109)

Conversions

Conversions Part 1

Format	Color
Hex	346B17
RGB	52, 107, 23
RGB Percent	20%, 42%, 9%
CMY	0.7970, 0.5813, 0.9108
CMYK	0.52, 0.00, 0.79, 0.58
HSL	99°, 65%, 25%
HSV	99°, 79%, 42%
XYZ	6.7889, 11.2510, 2.6113
YIQ	80.9790, -5.8160, -37.7840

Conversions

Conversions Part 2

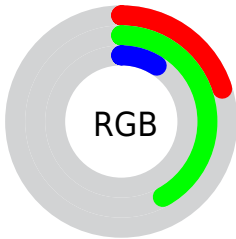
Format	Color
R_{YB}	23, 107, 78
Decimal	3435287
CIE _{Lab}	40.00, -33.92, 38.88
CIE _{LCh}	40, 51.596, 131.109
Yxy	11.2510, 0.3287, 0.5448
Android (android.graphics.Color)	4281625367 (0xFF346B17)
YUV	80.9790, -28.5836, -25.4146
Hunter-Lab	33.5425, -22.5712, 18.8639

Details

The CIELCh color **40, 51.596, 131.109** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **21, 54.690, 316.898**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 51.607, 131.254**, and **21, 41.286, 137.348** is the 20% darker color. If you saturate the color by 10%, you get **40, 55.783, 131.259**, and if you desaturate by 10%, it is **40, 46.390, 131.264**.

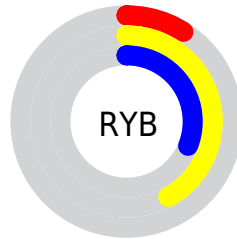
Distribution



Red (20%)

Green (42%)

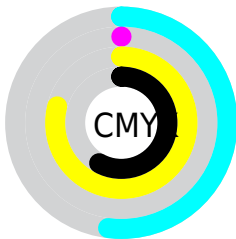
Blue (9%)



Red (9%)

Yellow (42%)

Blue (31%)

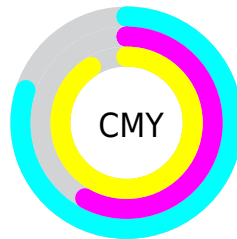


Cyan (52%)

Magenta (0%)

Yellow (79%)

Black (58%)



Cyan (80%)


Magenta (58%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 51.596, 131.109 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, 51.596, 131.109 by changing the saturation by 10% instead.


 40, 51.596,
131.109


 40, 51.596,
131.109


 100, 51.596,
131.109


 30, 51.596,
131.109

 60, 51.596,
131.109


 20, 51.596,
131.109

 70, 51.596,
131.109


 10, 51.596,
131.109

 80, 51.596,
131.109

 0, 51.596, 131.109

 90, 51.596,
131.109

 40, 51.596,

 40, 51.596,

131.109

■ 40, 55.783,
131.259

■ 39, 59.194,
131.523

■ 39, 59.647,
131.527

131.109

■ 40, 46.390,
131.264

■ 41, 40.437,
131.612

■ 41, 33.976,
132.063

■ 42, 27.194,
132.554

■ 43, 20.227,
133.047

■ 44, 13.174,
133.518

■ 44, 6.107, 133.960

■ 45, 0.923, 314.221

Harmonies

Complementary

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



40, 51.596, 131.109



21, 54.690, 316.898

Rectangle

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



40, 51.596, 131.109



40, 51.596, 181.109



40, 51.596, 311.109



40, 51.596, 1.109

Sweetspot

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



40, 51.596, 131.110



55, 20.856, 133.241



35, 36.097, 79.366



28, 14.219, 133.116



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 51.596, 131.110



51, 69.862, 131.642



39, 51.409, 141.132



22, 3.959, 133.948



43, 63.885, 131.681



86, 110.986, 132.495

Inverse Universe

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



21, 54.690, 316.898



25, 74.090, 316.461



25, 49.415, 333.501



20, 3.994, 314.619



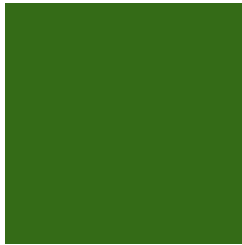
19, 67.878, 316.382



44, 117.253, 315.797

Previews

White Background



This preview shows how the CIELCh color 40, 51.596, 131.109 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, 51.596, 131.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

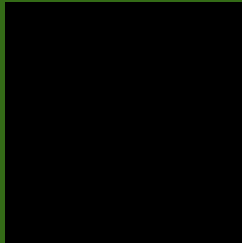
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 51.596, 131.109

Background



This preview shows how black text looks on a background with the CIELCh color 40, 51.596, 131.109.



This preview shows how white text looks on a background with the CIELCh color 40, 51.596, 131.109.

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, 51.596, 131.109

Protanopia

40, 41.615, 95.334

Deuteranopia

40, 36.961, 82.146



Tritanopia
40, 12.784, 220.700

Trichromacy



Original Color
40, 51.596, 131.109

Protanomaly
40, 43.327, 112.075

Deuteranomaly
39, 37.885, 105.719

Tritanomaly
40, 23.145, 153.700

Monochromacy



Original Color
40, 51.596, 131.109

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 20.467, 133.228

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 51.596, 131.109 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(52, 107, 23)` looks like.

```
.text, #text, p{  
    color:rgb(52, 107, 23)  
}
```

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(52, 107, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 107, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 51.596, 131.109 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(52, 107, 23) }
```

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

```
.border{ border-color:rgb(52, 107, 23) }
```

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

Here you see how a box with a 4 pixel rgb(52, 107, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 107, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 107, 23);  
box-shadow:4px 4px 4px 4px rgb(52, 107,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 51.596, 131.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 107, 23) }
```

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

```
.background{ background-color: rgb(52, 107,  
23) }
```

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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