

Converting Colors

CIELCh(40, 51.931, 127.756)

Have a look what the booklet for
CIELCh(40, 51.931, 127.756)
contains.

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Color

CIELCh(40, 51.869, 127.776)

Conversions

Conversions Part 1

Format	Color
Hex	3A6A11
RGB	58, 106, 17
RGB Percent	23%, 42%, 7%
CMY	0.7725, 0.5843, 0.9333
CMYK	0.45, 0.00, 0.84, 0.58
HSL	92°, 72%, 24%
HSV	92°, 84%, 42%
XYZ	7.0022, 11.2510, 2.3335
YIQ	81.5020, -0.0390, -37.8550

Conversions

Conversions Part 2

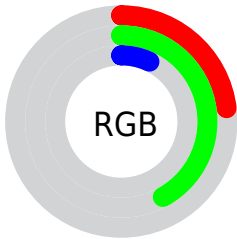
Format	Color
RYB	17, 106, 65
Decimal	3828241
CIELab	40.00, -31.77, 41.00
CIELCh	40, 51.869, 127.776
Yxy	11.2510, 0.3401, 0.5465
Android (android.graphics.Color)	4282018321 (0xFF3A6A11)
YUV	81.5020, -31.7995, -20.6113
Hunter-Lab	33.5425, -21.4361, 19.3550

Details

The CIELCh color **40, 51.869, 127.776** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **18, 57.503, 313.603**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 52.190, 127.714**, and **20, 40.588, 137.233** is the 20% darker color. If you saturate the color by 10%, you get **40, 55.388, 128.244**, and if you desaturate by 10%, it is **40, 47.336, 127.645**.

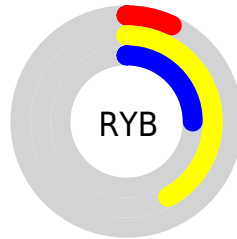
Distribution



Red (23%)

Green (42%)

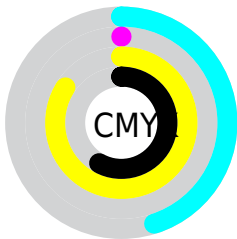
Blue (7%)



Red (7%)

Yellow (42%)

Blue (25%)

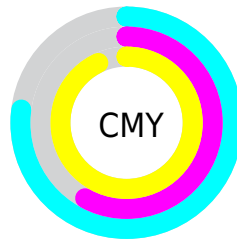


Cyan (45%)

Magenta (0%)

Yellow (84%)

Black (58%)



Cyan (77%)


Magenta (58%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 51.869, 127.776 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, 51.869, 127.776 by changing the saturation by 10% instead.


 40, 51.869,
127.776


 40, 51.869,
127.776


 100, 51.869,
127.776


 30, 51.869,
127.776

 60, 51.869,
127.776


 20, 51.869,
127.776

 70, 51.869,
127.776


 10, 51.869,
127.776

 80, 51.869,
127.776

 0, 51.869, 127.776

 90, 51.869,
127.776

 40, 51.869,

 40, 51.869,

127.776

127.776

■ 40, 55.388,
128.244

■ 40, 47.336,
127.645

■ 40, 57.432,
128.452

■ 41, 41.955,
127.787

■ 41, 35.980,
128.103

■ 42, 29.614,
128.513

■ 42, 23.007,
128.963

■ 43, 16.267,
129.421

■ 44, 9.470, 129.868

■ 45, 2.670, 130.307

Harmonies

Complementary

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



40, 51.869, 127.776



18, 57.503, 313.603

Rectangle

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



40, 51.869, 127.776



40, 51.869, 177.776



40, 51.869, 307.776



40, 51.869, 357.776

Sweetspot

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



40, 51.869, 127.777



55, 21.045, 129.342



31, 37.233, 68.041



28, 14.244, 129.226



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, 51.869, 127.777



51, 69.581, 128.899



39, 56.963, 137.791



22, 3.843, 130.083



44, 61.827, 128.637



86, 107.411, 129.568

Inverse Universe

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



18, 57.503, 313.603



21, 78.069, 313.100



25, 55.097, 329.151



20, 3.888, 310.782



17, 69.446, 313.280



40, 120.173, 312.632

Previews

White Background



This preview shows how the CIELCh color 40, 51.869, 127.776 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, 51.869, 127.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

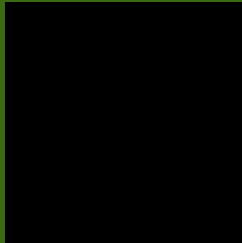
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 51.869, 127.776

Background



This preview shows how black text looks on a background with the CIELCh color 40, 51.869, 127.776.



This preview shows how white text looks on a background with the CIELCh color 40, 51.869, 127.776.

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, 51.869, 127.776

Protanopia

40, 43.281, 95.380

Deuteranopia

40, 38.950, 82.158



Tritanopia
40, 11.307, 223.998

Trichromacy



Original Color
40, 51.869, 127.776

Protanomaly
39, 44.319, 109.175

Deuteranomaly
39, 39.993, 103.189

Tritanomaly
40, 22.766, 148.705

Monochromacy



Original Color
40, 51.869, 127.776

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 21.689, 129.099

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 51.869, 127.776 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(58, 106, 17)` looks like.

```
.text, #text, p{  
    color:rgb(58, 106, 17)  
}
```

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(58, 106, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 106, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 51.869, 127.776 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(58, 106, 17) }
```

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

```
.border{ border-color:rgb(58, 106, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 106, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 106, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 106, 17);  
box-shadow:4px 4px 4px 4px rgb(58, 106,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 51.869, 127.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 106, 17) }
```

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

```
.background{ background-color: rgb(58, 106,  
17) }
```

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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