

Converting Colors

CIELCh(40, 91.646, 116.135)

Have a look what the booklet for
CIELCh(40, 91.646, 116.135)
contains.

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Color

CIELCh(40, 58.818, 129.503)

Conversions

Conversions Part 1

Format	Color
Hex	2E6C00
RGB	46, 108, 0
RGB Percent	18%, 42%, 0%
CMY	0.8206, 0.5774, 1.0000
CMYK	0.58, 0.00, 1.00, 0.58
HSL	95°, 100%, 21%
HSV	95°, 100%, 42%
XYZ	6.4519, 11.2510, 1.8234
YIQ	77.1500, -2.2840, -46.7320

Conversions

Conversions Part 2

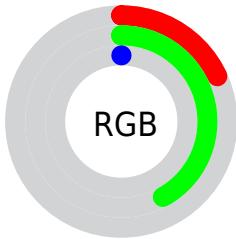
Format	Color
RYB	0, 108, 62
Decimal	3042304
CIELab	40.00, -37.42, 45.38
CIELCh	40, 58.818, 129.503
Yxy	11.2510, 0.3304, 0.5762
Android (android.graphics.Color)	4281232384 (0xFF2E6C00)
YUV	77.1500, -38.0349, -27.3185
Hunter-Lab	33.5425, -24.3647, 20.2567

Details

The CIELCh color **40, 58.818, 129.503** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **16, 64.853, 314.298**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 58.745, 129.524**, and **21, 41.286, 137.348** is the 20% darker color. If you saturate the color by 10%, you get **40, 58.753, 129.541**, and if you desaturate by 10%, it is **40, 55.380, 129.156**.

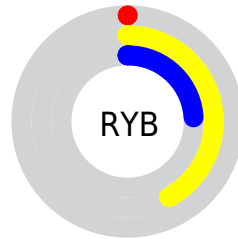
Distribution



Red (18%)

Green (42%)

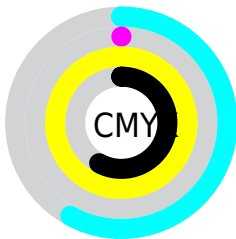
Blue (0%)



Red (0%)

Yellow (42%)

Blue (24%)

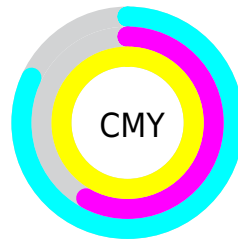


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (82%)


Magenta (58%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 58.818, 129.503 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, 58.818, 129.503 by changing the saturation by 10% instead.


 40, 58.818,
129.503


 40, 58.818,
129.503


 100, 58.818,
129.503


 30, 58.818,
129.503

 60, 58.818,
129.503

 20, 58.818,
129.503

 70, 58.818,
129.503

 10, 58.818,
129.503

 80, 58.818,
129.503

 0, 58.818, 129.503

 90, 58.818,
129.503

 40, 58.818,

 40, 58.818,

129.503

129.503

■ 40, 58.753,
129.541

■ 40, 55.380,
129.156

■ 41, 51.400,
128.834

■ 41, 46.387,
128.851

■ 41, 40.609,
129.096

■ 42, 34.307,
129.475

■ 43, 27.671,
129.918

■ 43, 20.838,
130.382

■ 44, 13.903,
130.839

Harmonies

Complementary

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



40, 58.818, 129.503



16, 64.853, 314.298

Rectangle

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



40, 58.818, 129.503



40, 58.818, 179.503



40, 58.818, 309.503



40, 58.818, 359.503

Sweetspot

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



40, 58.753, 129.541



56, 25.860, 130.344



31, 43.953, 68.203



28, 17.763, 130.196



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 58.753, 129.541



52, 71.308, 129.974



39, 62.011, 137.021



22, 3.877, 131.322



43, 62.501, 129.692



86, 108.600, 130.596

Inverse Universe

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



16, 64.853, 314.298



22, 78.535, 313.999



24, 58.330, 330.930



20, 3.919, 312.006



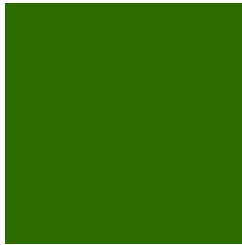
18, 68.935, 314.194



42, 119.228, 313.557

Previews

White Background



This preview shows how the CIELCh color 40, 58.818, 129.503 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, 58.818, 129.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

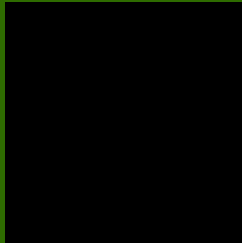
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 58.818, 129.503

Background



This preview shows how black text looks on a background with the CIELCh color 40, 58.818, 129.503.



This preview shows how white text looks on a background with the CIELCh color 40, 58.818, 129.503.

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, 58.818, 129.503

Protanopia
40, 47.127, 95.423

Deuteranopia
40, 40.991, 82.879



Tritanopia
40, 14.209, 218.150

Trichromacy



Original Color
40, 58.818, 129.503

Protanomaly
39, 49.103, 111.477

Deuteranomaly
39, 43.634, 106.024

Tritanomaly
40, 28.266, 149.581

Monochromacy



Original Color
40, 58.818, 129.503

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 25.798, 129.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 58.818, 129.503 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(46, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 108, 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(46, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 108, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 58.818, 129.503 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(46, 108, 0) }
```

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

```
.border{ border-color:rgb(46, 108, 0) }
```

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

Here you see how a box with a 4 pixel rgb(46, 108, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 108, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 58.818, 129.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 108, 0) }
```

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

```
.background{ background-color: rgb(46, 108,  
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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