

Converting Colors

CIELCh(40, 49.106, 128.404)

Have a look what the booklet for
CIELCh(40, 49.106, 128.404)
contains.

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Color

CIELCh(40, 49.298, 128.351)

Conversions

Conversions Part 1

Format	Color
Hex	3C6A18
RGB	60, 106, 24
RGB Percent	24%, 42%, 9%
CMY	0.7661, 0.5857, 0.9073
CMYK	0.44, 0.00, 0.78, 0.59
HSL	94°, 63%, 25%
HSV	94°, 78%, 41%
XYZ	7.1217, 11.2510, 2.6406
YIQ	82.8980, -1.0940, -35.2540

Conversions

Conversions Part 2

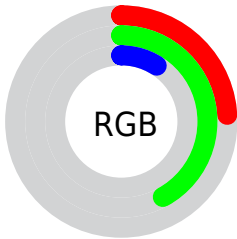
Format	Color
R_{YB}	24, 106, 70
Decimal	3959320
CIE _{Lab}	40.00, -30.59, 38.66
CIE _{LCh}	40, 49.298, 128.351
Yxy	11.2510, 0.3389, 0.5354
Android (android.graphics.Color)	4282149400 (0xFF3C6A18)
YUV	82.8980, -29.0367, -20.0815
Hunter-Lab	33.5425, -20.8003, 18.8122

Details

The CIELCh color $40, 49.298, 128.351$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $20, 53.908, 314.182$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 49.202, 128.334$, and $20, 39.875, 135.922$ is the 20% darker color. If you saturate the color by 10%, you get $40, 53.477, 128.592$, and if you desaturate by 10%, it is $40, 44.174, 128.424$.

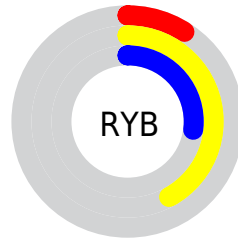
Distribution



Red (24%)

Green (42%)

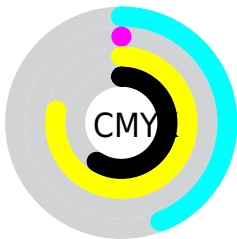
Blue (9%)



Red (9%)

Yellow (42%)

Blue (27%)

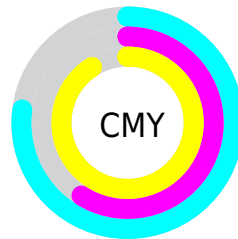


Cyan (44%)

Magenta (0%)

Yellow (78%)

Black (59%)



Cyan (77%)


Magenta (59%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 49.298, 128.351 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, 49.298, 128.351 by changing the saturation by 10% instead.


 40, 49.298,
128.351


 40, 49.298,
128.351


 100, 49.298,
128.351


 30, 49.298,
128.351

 60, 49.298,
128.351


 20, 49.298,
128.351

 70, 49.298,
128.351

 10, 49.298,
128.351

 80, 49.298,
128.351

 0, 49.298, 128.351

 90, 49.298,
128.351

 40, 49.298,

 40, 49.298,

128.351

128.351

■ 40, 53.477,
128.592

■ 40, 44.174,
128.424

■ 39, 56.849,
129.032

■ 41, 38.366,
128.699

■ 39, 57.664,
129.088

■ 41, 32.098,
129.091

■ 42, 25.540,
129.537

■ 43, 18.814,
129.998

■ 43, 12.008,
130.449

■ 44, 5.184, 130.883

■ 45, 1.614, 311.206

Harmonies

Complementary

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



40, 49.298, 128.351



20, 53.908, 314.182

Rectangle

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



40, 49.298, 128.351



40, 49.298, 178.351



40, 49.298, 308.351



40, 49.298, 358.351

Sweetspot

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



40, 49.298, 128.352



55, 19.475, 130.180



33, 34.449, 70.595



28, 13.375, 130.056



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, 49.298, 128.352



51, 67.682, 129.074



39, 53.575, 138.821



22, 3.863, 130.825



44, 62.231, 129.278



86, 108.126, 130.193

Inverse Universe

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



20, 53.908, 314.182



23, 74.843, 313.890



26, 52.072, 329.547



20, 3.906, 311.514



18, 69.140, 313.819



41, 119.607, 313.176

Previews

White Background



This preview shows how the CIELCh color 40, 49.298, 128.351 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, 49.298, 128.351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

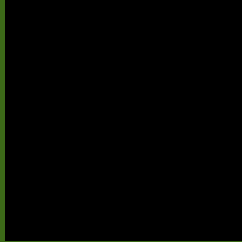
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 49.298, 128.351

Background



This preview shows how black text looks on a background with the CIELCh color 40, 49.298, 128.351.



This preview shows how white text looks on a background with the CIELCh color 40, 49.298, 128.351.

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, 49.298, 128.351

Protanopia

40, 40.874, 95.307

Deuteranopia

40, 37.185, 81.446



Tritanopia
40, 10.716, 225.636

Trichromacy



Original Color
40, 49.298, 128.351

Protanomaly
39, 41.908, 109.832

Deuteranomaly
39, 37.892, 102.725

Tritanomaly
40, 20.613, 149.661

Monochromacy



Original Color
40, 49.298, 128.351

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 19.678, 128.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 49.298, 128.351 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(60, 106, 24)` looks like.

```
.text, #text, p{  
    color:rgb(60, 106, 24)  
}
```

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(60, 106, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 106, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 49.298, 128.351 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(60, 106, 24) }
```

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

```
.border{ border-color:rgb(60, 106, 24) }
```

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

Here you see how a box with a 4 pixel rgb(60, 106, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 106, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 106, 24);  
box-shadow:4px 4px 4px 4px rgb(60, 106,  
24) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 49.298, 128.351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 106, 24) }
```

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

```
.background{ background-color: rgb(60, 106,  
24) }
```

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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