

Converting Colors

CIELCh(38, 50.474, 140.776)

Have a look what the booklet for
CIELCh(38, 50.474, 140.776)
contains.

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Color

CIELCh(38, 50.280, 140.654)

Conversions

Conversions Part 1

Format	Color
Hex	186721
RGB	24, 103, 33
RGB Percent	9%, 40%, 13%
CMY	0.9074, 0.5944, 0.8690
CMYK	0.77, 0.00, 0.68, 0.59
HSL	127°, 63%, 25%
HSV	127°, 77%, 41%
XYZ	5.5411, 10.0881, 3.1237
YIQ	71.3990, -24.6140, -38.5180

Conversions

Conversions Part 2

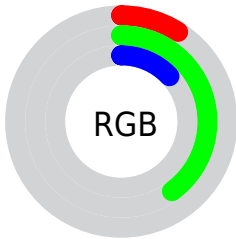
Format	Color
R_{YB}	24, 95, 103
Decimal	1599265
CIE _{Lab}	38.00, -38.88, 31.88
CIE _{LCh}	38, 50.280, 140.654
Yxy	10.0881, 0.2955, 0.5379
Android (android.graphics.Color)	4279789345 (0xFF186721)
YUV	71.3990, -18.9307, -41.5689
Hunter-Lab	31.7617, -24.4420, 16.4021

Details

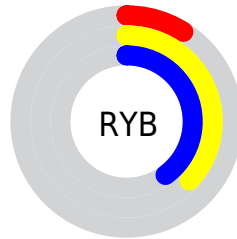
The CIELCh color **38, 50.280, 140.654** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 48.571, 332.259**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 50.082, 140.713**, and **19, 38.494, 138.187** is the 20% darker color. If you saturate the color by 10%, you get **38, 54.633, 139.316**, and if you desaturate by 10%, it is **38, 45.075, 141.972**.

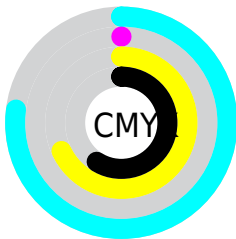
Distribution



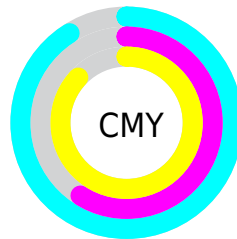
- Red (9%)
- Green (40%)
- Blue (13%)



- Red (9%)
- Yellow (37%)
- Blue (40%)



- Cyan (77%)
- Magenta (0%)
- Yellow (68%)
- Black (59%)





- Cyan (91%)
- Magenta (59%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 50.280, 140.654 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 38, 50.280, 140.654 by changing the saturation by 10% instead.


 38, 50.280,
140.654


 38, 50.280,
140.654

 100, 50.280,
140.654

 28, 50.280,
140.654

 58, 50.280,
140.654


 18, 50.280,
140.654


 68, 50.280,
140.654

 8, 50.280, 140.654

 78, 50.280,
140.654

 0, 50.280, 140.654

 88, 50.280,
140.654

 98, 50.280,
140.654

■ 38, 50.280,
140.654

■ 38, 50.280,
140.654

■ 38, 54.633,
139.316

■ 38, 45.075,
141.972

■ 38, 58.072,
138.167

■ 39, 39.190,
143.207

■ 38, 58.912,
137.947

■ 39, 32.796,
144.323

■ 40, 26.051,
145.313

■ 41, 19.095,
146.177

■ 42, 12.046,
146.930

■ 43, 4.999, 147.596

■ 44, 1.972, 328.028

Harmonies

Complementary

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



38, 50.280, 140.654



25, 48.571, 332.259

Rectangle

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



38, 50.280, 140.654



38, 50.280, 190.654



38, 50.280, 320.654



38, 50.280, 10.654

Sweetspot

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



38, 50.280, 140.654



53, 20.138, 146.453



42, 43.567, 109.741



27, 14.049, 146.237



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 50.280, 140.654



49, 69.678, 138.232



39, 33.258, 161.383



21, 3.878, 147.483



42, 63.679, 137.770



84, 112.487, 137.003

Inverse Universe

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



25, 48.571, 332.259



31, 64.465, 333.253



23, 37.556, 2.111



20, 3.887, 328.428



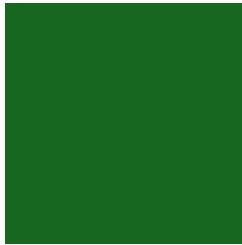
25, 58.459, 333.542



56, 100.818, 333.911

Previews

White Background



This preview shows how the CIELCh color 38, 50.280, 140.654 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 38, 50.280, 140.654 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 38, 50.280, 140.654

Background



This preview shows how black text looks on a background with the CIELCh color 38, 50.280, 140.654.



This preview shows how white text looks on a background with the CIELCh color 38, 50.280, 140.654.

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
38, 50.159, 140.497

Protanopia
38, 34.712, 95.379

Deuteranopia
38, 30.112, 80.984



Tritanopia
38, 17.259, 212.022

Trichromacy



Original Color
38, 50.159, 140.497

Protanomaly
37, 37.691, 120.614

Deuteranomaly
37, 32.288, 116.250

Tritanomaly
38, 26.033, 166.410

Monochromacy



Original Color
38, 50.159, 140.497

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 20.226, 146.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 50.280, 140.654 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(24, 103, 33)` looks like.

```
.text, #text, p{  
    color:rgb(24, 103, 33)  
}
```

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(24, 103, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 103, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 50.280, 140.654 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(24, 103, 33) }
```

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

```
.border{ border-color:rgb(24, 103, 33) }
```

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

Here you see how a box with a 4 pixel rgb(24, 103, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 103, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 103, 33);  
box-shadow:4px 4px 4px 4px rgb(24, 103,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 50.280, 140.654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 103, 33) }
```

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

```
.background{ background-color: rgb(24, 103,  
33) }
```

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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