

Converting Colors

CIELCh(38, 13.246, 198.358)

Have a look what the booklet for
CIELCh(38, 13.246, 198.358)
contains.

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Color

CIELCh(38, 13.481, 197.718)

Conversions

Conversions Part 1

Format	Color
Hex	3C6060
RGB	60, 96, 96
RGB Percent	24%, 38%, 38%
CMY	0.7661, 0.6249, 0.6249
CMYK	0.38, 0.00, 0.00, 0.62
HSL	180°, 23%, 30%
HSV	180°, 38%, 38%
XYZ	8.0873, 10.0881, 12.5012
YIQ	85.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

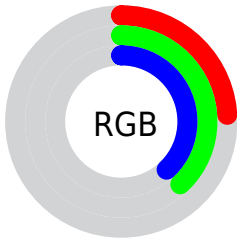
Format	Color
RYB	60, 78, 96
Decimal	3956832
CIELab	38.00, -12.84, -4.10
CIELCh	38, 13.481, 197.718
Yxy	10.0881, 0.2636, 0.3289
Android (android.graphics.Color)	4282146912 (0xFF3C6060)
YUV	85.2360, 5.3067, -22.1320
Hunter-Lab	31.7617, -10.1323, -1.1030

Details

The CIELCh color **38, 13.481, 197.718** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 17.201, 22.562**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 13.771, 195.753**, and **18, 13.577, 196.808** is the 20% darker color. If you saturate the color by 10%, you get **38, 16.339, 197.360**, and if you desaturate by 10%, it is **39, 10.269, 198.122**.

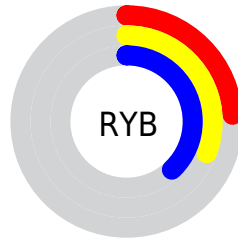
Distribution



 Red (24%)

 Green (38%)

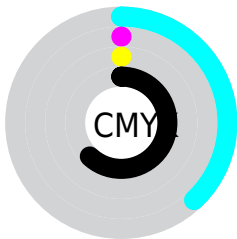
 Blue (38%)




 Red (24%)

 Yellow (31%)

 Blue (38%)

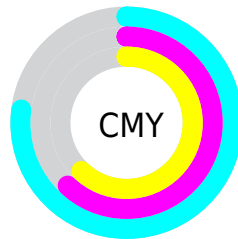


 Cyan (38%)

 Magenta (0%)

 Yellow (0%)

 Black (62%)



 Cyan (77%)


 Magenta (62%)


 Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 13.481, 197.718 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, 13.481, 197.718 by changing the saturation by 10% instead.


 38, 13.481,
197.718


 38, 13.481,
197.718

 100, 13.481,
197.718


 28, 13.481,
197.718

 58, 13.481,
197.718


 18, 13.481,
197.718


 68, 13.481,
197.718

 8, 13.481, 197.718

 78, 13.481,
197.718

 0, 13.481, 197.718

 88, 13.481,
197.718

 98, 13.481,
197.718

■ 38, 13.481,
197.718

■ 38, 13.481,
197.718

■ 38, 16.339,
197.360

■ 39, 10.269,
198.122

■ 37, 18.794,
197.061

■ 39, 6.756, 198.583

■ 37, 20.808,
196.818

■ 40, 2.999, 199.125

■ 37, 22.361,
196.633

■ 41, 0.949, 19.190

■ 36, 23.454,
196.504

■ 43, 9.231, 20.593

■ 36, 24.255,
196.410

■ 44, 13.485, 21.176

■ 36, 24.445,
196.388

■ 45, 17.775, 21.761

■ 46, 22.075, 22.348

Harmonies

Complementary

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



38, 13.481, 197.718



29, 17.201, 22.562

Rectangle

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



38, 13.481, 197.718



38, 13.481, 247.718



38, 13.481, 17.718



38, 13.481, 67.718

Sweetspot

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



38, 13.481, 197.715



51, 5.337, 198.907



37, 26.905, 141.891



26, 3.607, 198.860



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



38, 13.481, 197.715



49, 19.344, 197.401



32, 12.939, 261.174



20, 2.221, 199.047



42, 27.356, 196.388



86, 47.821, 196.388

Inverse Universe

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



31, 26.880, 326.323



38, 39.657, 326.725



34, 14.278, 71.062



18, 4.050, 324.871



26, 63.083, 328.233



57, 110.277, 328.233

Previews

White Background



This preview shows how the CIELCh color 38, 13.481, 197.718 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 38, 13.481, 197.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

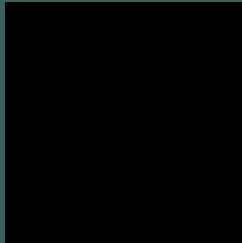
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 13.481, 197.718

Background



This preview shows how black text looks on a background with the CIELCh color 38, 13.481, 197.718.



This preview shows how white text looks on a background with the CIELCh color 38, 13.481, 197.718.

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, 13.481, 197.718

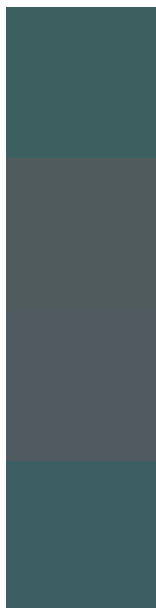
Protanopia
38, 1.310, 309.105

Deuteranopia
38, 7.398, 314.108



Tritanopia
38, 12.960, 217.529

Trichromacy



Original Color
38, 13.481, 197.718

Protanomaly
38, 4.987, 213.195

Deuteranomaly
38, 5.309, 253.659

Tritanomaly
38, 12.782, 211.950

Monochromacy



Original Color
38, 13.481, 197.718

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 5.318, 198.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 13.481, 197.718 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, 96, 96)` looks like.

```
.text, #text, p{  
    color:rgb(60, 96, 96)  
}
```

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, 96, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 96, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 13.481, 197.718 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, 96, 96) }
```

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

```
.border{ border-color:rgb(60, 96, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 96, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 96, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 96, 96);  
box-shadow:4px 4px 4px 4px rgb(60, 96, 96)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 13.481, 197.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 96, 96) }
```

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

```
.background{ background-color: rgb(60, 96,  
96) }
```

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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