

Converting Colors

CIELCh(38, 12.796, 110.150)

Have a look what the booklet for
CIELCh(38, 12.796, 110.150)
contains.

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Color

CIELCh(38, 12.796, 110.150)

Conversions

Conversions Part 1

Format	Color
Hex	5A5B46
RGB	90, 91, 70
RGB Percent	35%, 36%, 27%
CMY	0.6472, 0.6433, 0.7257
CMYK	0.01, 0.00, 0.23, 0.64
HSL	63°, 13%, 32%
HSV	63°, 23%, 36%
XYZ	9.0539, 10.0881, 7.2574
YIQ	88.3070, 6.1450, -6.7430

Conversions

Conversions Part 2

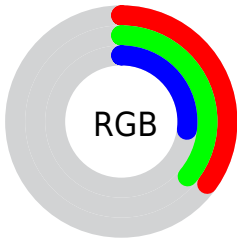
Format	Color
R_YB	70, 91, 71
Decimal	5921606
CIE Lab	38.00, -4.41, 12.01
CIE LCh	38, 12.796, 110.150
Yxy	10.0881, 0.3430, 0.3821
Android (android.graphics.Color)	4284111686 (0xFF5A5B46)
YUV	88.3070, -9.0254, 1.4848
Hunter-Lab	31.7617, -4.7003, 8.6857

Details

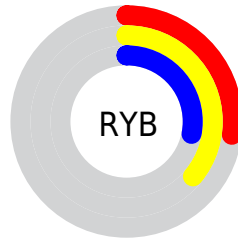
The CIELCh color **38, 12.796, 110.150** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **31, 13.446, 294.285**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 12.990, 110.471**, and **18, 12.225, 109.505** is the 20% darker color. If you saturate the color by 10%, you get **38, 18.239, 109.331**, and if you desaturate by 10%, it is **38, 7.277, 110.982**.

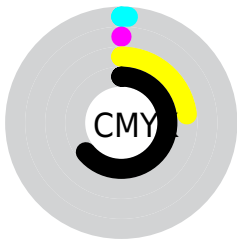
Distribution



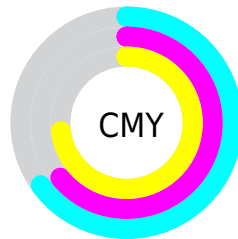
- Red (35%)
- Green (36%)
- Blue (27%)



- Red (27%)
- Yellow (36%)
- Blue (28%)



- Cyan (1%)
- Magenta (0%)
- Yellow (23%)
- Black (64%)





- Cyan (65%)
- Magenta (64%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 12.796, 110.150 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, 12.796, 110.150 by changing the saturation by 10% instead.


 38, 12.796,
110.150


 38, 12.796,
110.150

 100, 12.796,
110.150


 28, 12.796,
110.150

 58, 12.796,
110.150


 18, 12.796,
110.150


 68, 12.796,
110.150

 8, 12.796, 110.150

 78, 12.796,
110.150

 0, 12.796, 110.150

 88, 12.796,
110.150

 98, 12.796,
110.150

■ 38, 12.796,
110.150

■ 38, 12.796,
110.150

■ 38, 18.239,
109.331

■ 38, 7.277, 110.982

■ 38, 23.548,
108.528

■ 39, 1.716, 111.791

■ 37, 28.641,
107.767

■ 39, 3.860, 292.617

■ 37, 33.395,
107.078

■ 40, 14.993,
294.143

■ 37, 37.641,
106.496

■ 40, 20.528,
294.861

■ 37, 41.163,
106.061

■ 40, 26.030,
295.544

■ 37, 43.852,
105.793

■ 41, 31.495,
296.193

■ 37, 45.722,

■ 41, 36.916,

105.600

296.805

Harmonies

Complementary

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



38, 12.796, 110.150



31, 13.446, 294.285

Rectangle

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



38, 12.796, 110.150



38, 12.796, 160.150



38, 12.796, 290.150



38, 12.796, 340.150

Sweetspot

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



38, 12.797, 110.154



49, 4.802, 111.463



32, 9.318, 23.572



25, 3.089, 111.443



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



38, 12.797, 110.154



48, 19.083, 109.677



37, 13.802, 129.270



19, 3.140, 111.330



44, 52.129, 105.663



90, 91.901, 105.844

Inverse Universe

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



31, 13.446, 294.285



37, 20.333, 294.971



32, 14.179, 311.191



17, 3.202, 292.825



10, 71.558, 306.548



30, 126.449, 306.391

Previews

White Background



This preview shows how the CIE LCh color 38, 12.796, 110.150 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 38, 12.796, 110.150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

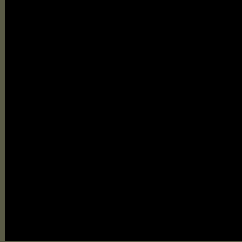
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

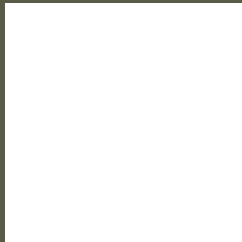
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 12.796, 110.150

Background



This preview shows how black text looks on a background with the CIELCh color 38, 12.796, 110.150.



This preview shows how white text looks on a background with the CIELCh color 38, 12.796, 110.150.

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, 12.796, 110.150

Protanopia

38, 12.532, 95.459

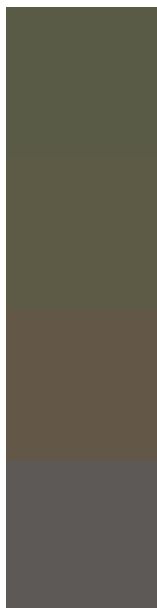
Deuteranopia

38, 12.510, 66.886



Tritanopia
38, 4.810, 316.447

Trichromacy



Original Color
38, 12.796, 110.150

Protanomaly
38, 12.876, 101.971

Deuteranomaly
38, 11.603, 82.625

Tritanomaly
38, 2.237, 74.596

Monochromacy



Original Color
38, 12.796, 110.150

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 4.906, 109.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 12.796, 110.150 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(90, 91, 70)` looks like.

```
.text, #text, p{  
    color:rgb(90, 91, 70)  
}
```

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(90, 91, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 91, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 12.796, 110.150 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(90, 91, 70) }
```

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

```
.border{ border-color:rgb(90, 91, 70) }
```

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

Here you see how a box with a 4 pixel rgb(90, 91, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 91, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 91, 70);  
box-shadow:4px 4px 4px 4px rgb(90, 91, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 12.796, 110.150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 91, 70) }
```

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

```
.background{ background-color: rgb(90, 91,  
70) }
```

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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