

Converting Colors

CIELCh(38, 25.973, 58.231)

Have a look what the booklet for
CIELCh(38, 25.973, 58.231) contains.

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Color

CIELCh(38, 25.936, 58.218)

Conversions

Conversions Part 1

Format	Color
Hex	785036
RGB	120, 80, 54
RGB Percent	47%, 31%, 21%
CMY	0.5277, 0.6847, 0.7868
CMYK	0.00, 0.33, 0.55, 0.53
HSL	24°, 38%, 34%
HSV	24°, 55%, 47%
XYZ	11.3776, 10.0881, 4.8829
YIQ	88.9960, 32.1860, 0.3940

Conversions

Conversions Part 2

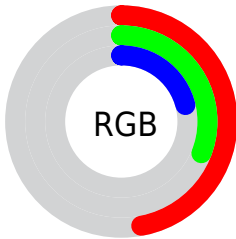
Format	Color
R_{YB}	120, 97, 54
Decimal	7884854
CIE _{Lab}	38.00, 13.66, 22.05
CIE _{LCh}	38, 25.936, 58.218
Yxy	10.0881, 0.4318, 0.3829
Android (android.graphics.Color)	4286074934 (0xFF785036)
YUV	88.9960, -17.2530, 27.1905
Hunter-Lab	31.7617, 8.3588, 13.1182

Details

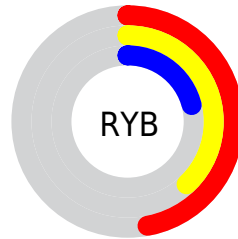
The CIELCh color **38, 25.936, 58.218** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **38, 19.932, 252.334**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 25.864, 58.070**, and **18, 26.189, 57.856** is the 20% darker color. If you saturate the color by 10%, you get **36, 31.555, 57.436**, and if you desaturate by 10%, it is **40, 20.563, 59.038**.

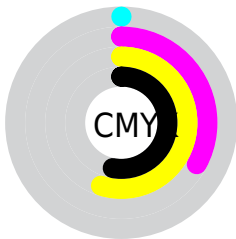
Distribution



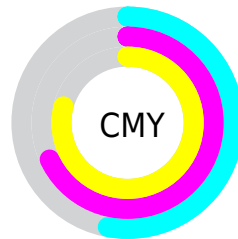
- Red (47%)
- Green (31%)
- Blue (21%)



- Red (47%)
- Yellow (38%)
- Blue (21%)



- Cyan (0%)
- Magenta (33%)
- Yellow (55%)
- Black (53%)



- Cyan (53%)
- Magenta (68%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 25.936, 58.218 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, 25.936, 58.218 by changing the saturation by 10% instead.

■ 38, 25.936, 58.218

■ 38, 25.936, 58.218

■ 100, 25.936,
58.218

■ 28, 25.936, 58.218

■ 58, 25.936, 58.218

■ 18, 25.936, 58.218

■ 68, 25.936, 58.218

■ 8, 25.936, 58.218

■ 78, 25.936, 58.218

■ 0, 25.936, 58.218

■ 88, 25.936, 58.218

■ 98, 25.936, 58.218

■ 38, 25.936, 58.218

■ 38, 25.936, 58.218

■ 36, 31.555, 57.436

■ 40, 20.563, 59.038

■ 34, 37.303, 56.628

■ 42, 15.482, 59.894

■ 32, 42.915, 55.670

■ 45, 10.698, 60.785

■ 30, 48.007, 54.412

■ 47, 6.200, 61.695

■ 30, 50.648, 53.962

■ 49, 1.965, 62.536

■ 52, 2.031, 243.800

■ 54, 5.813, 244.653

■ 57, 9.405, 245.573

■ 59, 12.830,
246.486

Harmonies

Complementary

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



38, 25.936, 58.218



38, 19.932, 252.334

Rectangle

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



38, 25.936, 58.218



38, 25.936, 108.218



38, 25.936, 238.218



38, 25.936, 288.218

Sweetspot

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



38, 25.935, 58.223



59, 8.271, 61.556



33, 35.764, 342.619



30, 5.656, 61.407



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



38, 25.935, 58.223



46, 39.878, 57.221



47, 33.536, 99.289



24, 2.340, 62.208



31, 52.198, 53.915



61, 89.690, 51.988

Inverse Universe

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



38, 19.932, 252.334



46, 28.606, 256.167



28, 37.559, 293.416



25, 2.261, 244.181



31, 33.442, 269.639



62, 58.648, 272.550

Previews

White Background



This preview shows how the CIELCh color 38, 25.936, 58.218 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 CIELCh color 38, 25.936, 58.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

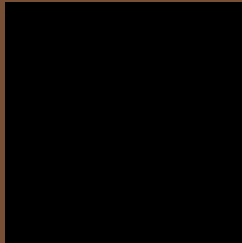
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 25.936, 58.218

Background



This preview shows how black text looks on a background with the CIELCh color 38, 25.936, 58.218.



This preview shows how white text looks on a background with the CIELCh color 38, 25.936, 58.218.

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, 25.936, 58.218

Protanopia

38, 19.771, 95.915

Deuteranopia

38, 23.256, 77.930



Tritanopia
38, 20.810, 12.777

Trichromacy



Original Color
38, 25.936, 58.218

Protanomaly
38, 20.603, 80.726

Deuteranomaly
38, 24.059, 70.753

Tritanomaly
38, 20.825, 30.704

Monochromacy



Original Color
38, 25.936, 58.218

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 8.868, 63.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 25.936, 58.218 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(120, 80, 54)` looks like.

```
.text, #text, p{  
    color:rgb(120, 80, 54)  
}
```

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(120, 80, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 80, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 25.936, 58.218 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(120, 80, 54) }
```

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

```
.border{ border-color:rgb(120, 80, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 80, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 80, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 80, 54);  
box-shadow:4px 4px 4px 4px rgb(120, 80,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 25.936, 58.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 80, 54) }
```

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

```
.background{ background-color: rgb(120, 80,  
54) }
```

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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