

Converting Colors

CIELCh(38, 26.936, 104.820)

Have a look what the booklet for
CIELCh(38, 26.936, 104.820)
contains.

CIELCh(38, 27.336, 104.756)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 27.336, 104.756)

Conversions

Conversions Part 1

Format	Color
Hex	5D5C2E
RGB	93, 92, 46
RGB Percent	36%, 36%, 18%
CMY	0.6369, 0.6407, 0.8210
CMYK	0.00, 0.01, 0.51, 0.64
HSL	59°, 34%, 27%
HSV	59°, 51%, 36%
XYZ	8.7534, 10.0881, 4.0331
YIQ	87.0550, 15.3620, -14.0940

Conversions

Conversions Part 2

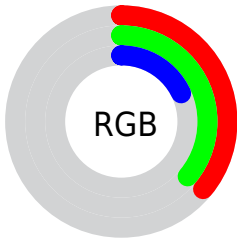
Format	Color
RYB	47, 93, 46
Decimal	6118446
CIELab	38.00, -6.96, 26.43
CIELCh	38, 27.336, 104.756
Yxy	10.0881, 0.3827, 0.4410
Android (android.graphics.Color)	4284308526 (0xFF5D5C2E)
YUV	87.0550, -20.2401, 5.2138
Hunter-Lab	31.7617, -6.3890, 14.7045

Details

The CIELCh color **38, 27.336, 104.756** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **21, 30.912, 296.114**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 27.360, 105.123**, and **18, 26.558, 104.150** is the 20% darker color. If you saturate the color by 10%, you get **38, 32.185, 103.937**, and if you desaturate by 10%, it is **38, 22.190, 105.631**.

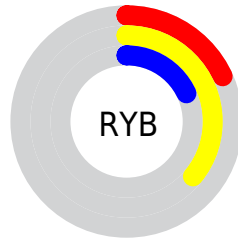
Distribution



Red (36%)

Green (36%)

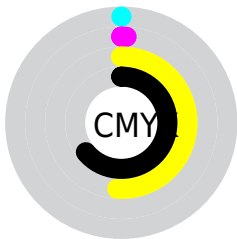
Blue (18%)



Red (18%)

Yellow (36%)

Blue (18%)

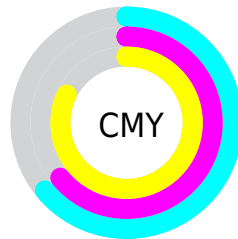


Cyan (0%)

Magenta (1%)

Yellow (51%)

Black (64%)



Cyan (64%)


Magenta (64%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 27.336, 104.756 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, 27.336, 104.756 by changing the saturation by 10% instead.


 38, 27.336,
104.756


 38, 27.336,
104.756

 100, 27.336,
104.756


 28, 27.336,
104.756

 58, 27.336,
104.756


 18, 27.336,
104.756


 68, 27.336,
104.756

 8, 27.336, 104.756

 78, 27.336,
104.756

 0, 27.336, 104.756

 88, 27.336,
104.756

 98, 27.336,
104.756

■ 38, 27.336,
104.756

■ 38, 27.336,
104.756

■ 38, 32.185,
103.937

■ 38, 22.190,
105.631

■ 38, 36.575,
103.193

■ 38, 16.859,
106.534

■ 38, 40.290,
102.555

■ 39, 11.419,
107.449

■ 37, 43.109,
102.048

■ 39, 5.918, 108.360

■ 37, 45.552,
101.612

■ 39, 0.390, 109.165

■ 40, 5.143, 290.163

■ 40, 10.668,
291.017

■ 40, 16.174,
291.842

■ 41, 21.653,
292.634

Harmonies

Complementary

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



38, 27.336, 104.756



21, 30.912, 296.114

Rectangle

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



38, 27.336, 104.756



38, 27.336, 154.756



38, 27.336, 284.756



38, 27.336, 334.756

Sweetspot

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



38, 27.337, 104.759



50, 10.239, 107.929



25, 23.247, 22.112



25, 7.039, 107.801



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



38, 27.337, 104.759



49, 39.808, 103.769



37, 29.809, 125.678



19, 3.072, 108.531



44, 51.276, 101.585



90, 90.294, 101.501

Inverse Universe

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



21, 30.912, 296.114



24, 47.013, 298.515



23, 32.129, 310.411



17, 3.131, 290.186



10, 70.653, 305.821



30, 125.813, 306.102

Previews

White Background



This preview shows how the CIELCh color 38, 27.336, 104.756 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, 27.336, 104.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

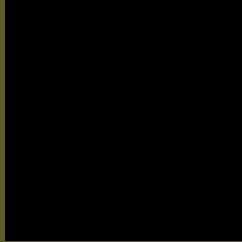
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 27.336, 104.756

Background



This preview shows how black text looks on a background with the CIELCh color 38, 27.336, 104.756.



This preview shows how white text looks on a background with the CIELCh color 38, 27.336, 104.756.

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, 27.336, 104.756

Protanopia

38, 27.252, 96.468

Deuteranopia

38, 26.470, 78.381



Tritanopia
38, 6.676, 340.271

Trichromacy



Original Color
38, 27.336, 104.756

Protanomaly
38, 27.544, 99.626

Deuteranomaly
38, 25.691, 87.121

Tritanomaly
38, 8.198, 82.910

Monochromacy



Original Color
38, 27.336, 104.756

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 10.404, 108.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 27.336, 104.756 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(93, 92, 46)` looks like.

```
.text, #text, p{  
    color:rgb(93, 92, 46)  
}
```

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(93, 92, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 92, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 27.336, 104.756 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(93, 92, 46) }
```

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

```
.border{ border-color:rgb(93, 92, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 92, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 92, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 92, 46);  
box-shadow:4px 4px 4px 4px rgb(93, 92, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 27.336, 104.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 92, 46) }
```

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

```
.background{ background-color: rgb(93, 92,  
46) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor