

Converting Colors

CIELCh(38, 8.398, 37.288)

Have a look what the booklet for
CIELCh(38, 8.398, 37.288) contains.

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Color

CIELCh(38, 8.212, 42.100)

Conversions

Conversions Part 1

Format	Color
Hex	675651
RGB	103, 86, 81
RGB Percent	40%, 34%, 32%
CMY	0.5969, 0.6635, 0.6831
CMYK	0.00, 0.17, 0.21, 0.60
HSL	14°, 12%, 36%
HSV	14°, 21%, 40%
XYZ	10.3613, 10.0881, 9.1485
YIQ	90.5130, 11.7370, 2.0490

Conversions

Conversions Part 2

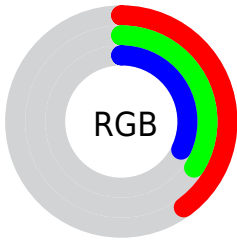
Format	Color
R_{YB}	103, 87, 81
Decimal	6772305
CIE Lab	38.00, 6.09, 5.51
CIE LCh	38, 8.212, 42.100
Yxy	10.0881, 0.3501, 0.3408
Android (android.graphics.Color)	4284962385 (0xFF675651)
YUV	90.5130, -4.6899, 10.9511
Hunter-Lab	31.7617, 2.6472, 5.1555

Details

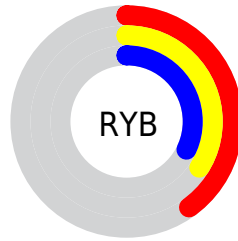
The CIELCh color $[38, 8.212, 42.100]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[40, 7.217, 223.755]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[58, 8.090, 44.750]$, and $[18, 8.227, 40.277]$ is the 20% darker color. If you saturate the color by 10%, you get $[36, 12.527, 42.013]$, and if you desaturate by 10%, it is $[41, 4.208, 42.285]$.

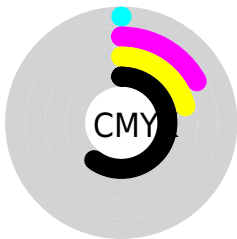
Distribution



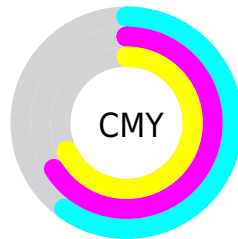
- Red (40%)
- Green (34%)
- Blue (32%)



- Red (40%)
- Yellow (34%)
- Blue (32%)



- Cyan (0%)
- Magenta (17%)
- Yellow (21%)
- Black (60%)



- Cyan (60%)
- Magenta (66%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 8.212, 42.100 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, 8.212, 42.100 by changing the saturation by 10% instead.

 38, 8.212, 42.100  38, 8.212, 42.100

 100, 8.212, 42.100  28, 8.212, 42.100

 58, 8.212, 42.100  18, 8.212, 42.100

 68, 8.212, 42.100  8, 8.212, 42.100

 78, 8.212, 42.100  0, 8.212, 42.100

 88, 8.212, 42.100

 98, 8.212, 42.100

 38, 8.212, 42.100  38, 8.212, 42.100

 36, 12.527, 42.013  41, 4.208, 42.285

 33, 17.172, 42.038  43, 0.493, 41.986

■ 31, 22.149, 42.214

■ 46, 2.960, 223.114

■ 29, 27.438, 42.564

■ 48, 6.180, 223.447

■ 27, 32.974, 43.085

■ 51, 9.191, 223.849

■ 25, 38.604, 43.714

■ 54, 12.019,
224.279

■ 23, 43.658, 43.790

■ 56, 14.685,
224.722

■ 22, 47.293, 43.588

■ 59, 17.208,
225.172

■ 62, 19.605,
225.622

Harmonies

Complementary

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



38, 8.212, 42.100



40, 7.217, 223.755

Rectangle

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



38, 8.212, 42.100



38, 8.212, 92.100



38, 8.212, 222.100



38, 8.212, 272.100

Sweetspot

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



38, 8.211, 42.110



53, 2.679, 42.359



37, 14.033, 332.396



27, 1.765, 42.357



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 8.211, 42.110



47, 12.559, 42.046



41, 9.905, 92.444



20, 2.042, 42.328



25, 52.221, 44.163



54, 94.873, 43.956

Inverse Universe

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



40, 7.217, 223.755



51, 10.646, 224.119



37, 9.973, 277.699



20, 1.942, 223.142



35, 24.639, 239.468



71, 43.189, 242.306

Previews

White Background



This preview shows how the CIELCh color 38, 8.212, 42.100 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, 8.212, 42.100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

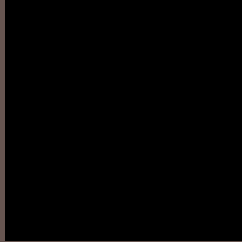
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 8.212, 42.100

Background



This preview shows how black text looks on a background with the CIELCh color 38, 8.212, 42.100.



This preview shows how white text looks on a background with the CIELCh color 38, 8.212, 42.100.

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, 8.212, 42.100

Protanopia

38, 4.061, 84.119

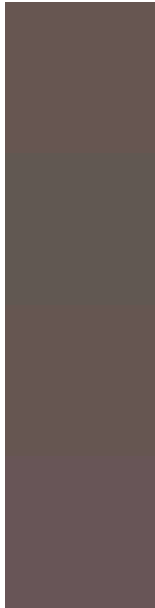
Deuteranopia

38, 7.370, 44.651



Tritanopia
38, 9.599, 354.348

Trichromacy



Original Color
38, 8.212, 42.100

Protanomaly
38, 5.412, 62.389

Deuteranomaly
38, 7.789, 43.304

Tritanomaly
38, 8.383, 12.243

Monochromacy



Original Color
38, 8.212, 42.100

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 3.076, 31.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 8.212, 42.100 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(103, 86, 81)` looks like.

```
.text, #text, p{  
    color:rgb(103, 86, 81)  
}
```

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(103, 86, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 86, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 8.212, 42.100 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(103, 86, 81) }
```

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

```
.border{ border-color:rgb(103, 86, 81) }
```

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

Here you see how a box with a 4 pixel rgb(103, 86, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 86, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 86, 81);  
box-shadow:4px 4px 4px 4px rgb(103, 86,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 8.212, 42.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 86, 81) }
```

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

```
.background{ background-color: rgb(103, 86,  
81) }
```

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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