

Converting Colors

CIELCh(38, 34.823, 66.224)

Have a look what the booklet for
CIELCh(38, 34.823, 66.224) contains.

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Color

CIELCh(38, 34.825, 66.905)

Conversions

Conversions Part 1

Format	Color
Hex	7B5025
RGB	123, 80, 37
RGB Percent	48%, 31%, 15%
CMY	0.5175, 0.6862, 0.8548
CMYK	0.00, 0.35, 0.70, 0.52
HSL	30°, 54%, 31%
HSV	30°, 70%, 48%
XYZ	11.3776, 10.0881, 3.0999
YIQ	87.9550, 39.4310, -4.2570

Conversions

Conversions Part 2

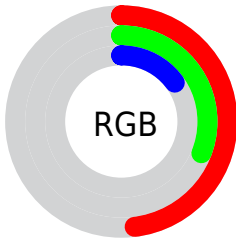
Format	Color
RYB	123, 123, 37
Decimal	8081445
CIELab	38.00, 13.66, 32.03
CIELCh	38, 34.825, 66.905
Yxy	10.0881, 0.4632, 0.4107
Android (android.graphics.Color)	4286271525 (0xFF7B5025)
YUV	87.9550, -25.1208, 30.7345
Hunter-Lab	31.7617, 8.3589, 16.4466

Details

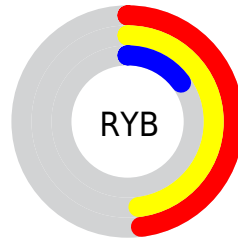
The CIELCh color **38, 34.825, 66.905** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **33, 28.776, 270.398**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 34.823, 66.224**, and **18, 30.275, 61.523** is the 20% darker color. If you saturate the color by 10%, you get **36, 40.114, 65.474**, and if you desaturate by 10%, it is **40, 29.377, 68.204**.

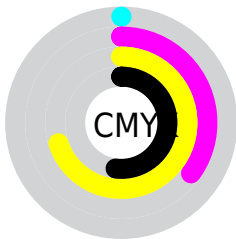
Distribution



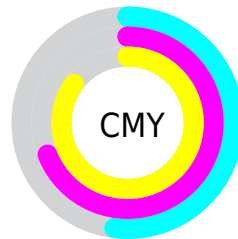
- Red (48%)
- Green (31%)
- Blue (15%)



- Red (48%)
- Yellow (48%)
- Blue (15%)



- Cyan (0%)
- Magenta (35%)
- Yellow (70%)
- Black (52%)



- Cyan (52%)
- Magenta (69%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 34.825, 66.905 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, 34.825, 66.905 by changing the saturation by 10% instead.

 38, 34.825, 66.905

 38, 34.825, 66.905

 100, 34.825,
66.905

 28, 34.825, 66.905

 58, 34.825, 66.905

 18, 34.825, 66.905

 68, 34.825, 66.905

 8, 34.825, 66.905

 78, 34.825, 66.905

 0, 34.825, 66.905

 88, 34.825, 66.905

 98, 34.825, 66.905

 38, 34.825, 66.905

 38, 34.825, 66.905

 36, 40.114, 65.474

 40, 29.377, 68.204

■ 35, 44.843, 63.728

■ 42, 23.990, 69.443

■ 33, 49.315, 62.030

■ 44, 18.766, 70.660

■ 33, 49.364, 62.019

■ 46, 13.748, 71.865

■ 48, 8.945, 73.056

■ 50, 4.351, 74.211

■ 52, 0.046, 260.988

■ 54, 4.265, 256.630

■ 56, 8.324, 257.704

Harmonies

Complementary

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



38, 34.825, 66.905



33, 28.776, 270.398

Rectangle

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



38, 34.825, 66.905



38, 34.825, 116.905



38, 34.825, 246.905



38, 34.825, 296.905

Sweetspot

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



38, 34.824, 66.909



61, 11.782, 72.865



30, 41.645, 352.037



31, 8.078, 72.599



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



38, 34.824, 66.909



46, 52.363, 64.452



50, 46.225, 104.130



25, 2.459, 74.304



34, 49.932, 61.956



66, 84.938, 59.807

Inverse Universe

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



33, 28.776, 270.398



39, 42.584, 276.616



21, 57.005, 301.153



24, 2.411, 256.606



27, 41.201, 282.419



54, 73.068, 285.005

Previews

White Background



This preview shows how the CIELCh color 38, 34.825, 66.905 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, 34.825, 66.905 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, 34.825, 66.905

Background



This preview shows how black text looks on a background with the CIELCh color 38, 34.825, 66.905.



This preview shows how white text looks on a background with the CIELCh color 38, 34.825, 66.905.

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, 34.825, 66.905

Protanopia

38, 30.047, 95.858

Deuteranopia

38, 32.602, 80.514



Tritanopia
38, 23.139, 14.263

Trichromacy



Original Color
38, 34.825, 66.905

Protanomaly
38, 30.431, 84.195

Deuteranomaly
38, 33.308, 75.229

Tritanomaly
38, 24.456, 39.661

Monochromacy



Original Color
38, 34.825, 66.905

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 12.414, 71.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 34.825, 66.905 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(123, 80, 37)` looks like.

```
.text, #text, p{  
    color:rgb(123, 80, 37)  
}
```

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(123, 80, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 80, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 34.825, 66.905 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(123, 80, 37) }
```

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

```
.border{ border-color:rgb(123, 80, 37) }
```

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

Here you see how a box with a 4 pixel rgb(123, 80, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 80, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 80, 37);  
box-shadow:4px 4px 4px 4px rgb(123, 80,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 34.825, 66.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 80, 37) }
```

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

```
.background{ background-color: rgb(123, 80,  
37) }
```

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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