

Converting Colors

CIELCh(38, 34.996, 95.902)

Have a look what the booklet for
CIELCh(38, 34.996, 95.902) contains.

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Color

CIELCh(38, 35.086, 96.293)

Conversions

Conversions Part 1

Format	Color
Hex	645A1E
RGB	100, 90, 30
RGB Percent	39%, 35%, 12%
CMY	0.6083, 0.6475, 0.8828
CMYK	0.00, 0.10, 0.70, 0.61
HSL	51°, 54%, 25%
HSV	51°, 70%, 39%
XYZ	9.1209, 10.0881, 2.6871
YIQ	86.1500, 25.2200, -16.5400

Conversions

Conversions Part 2

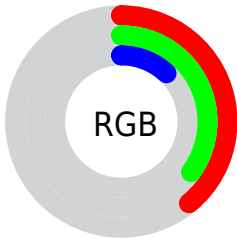
Format	Color
R_{YB}	42, 100, 30
Decimal	6576670
CIE Lab	38.00, -3.85, 34.87
CIE LCh	38, 35.086, 96.293
Yxy	10.0881, 0.4166, 0.4607
Android (android.graphics.Color)	4284766750 (0xFF645A1E)
YUV	86.1500, -27.6819, 12.1465
Hunter-Lab	31.7617, -4.3236, 17.2171

Details

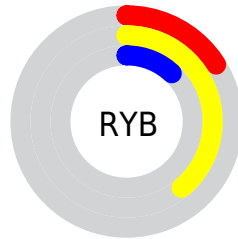
The CIELCh color **38, 35.086, 96.293** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **19, 40.812, 295.541**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 35.416, 96.482**, and **18, 26.306, 96.674** is the 20% darker color. If you saturate the color by 10%, you get **37, 38.921, 95.274**, and if you desaturate by 10%, it is **39, 30.641, 97.339**.

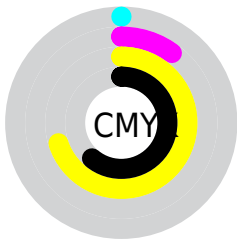
Distribution



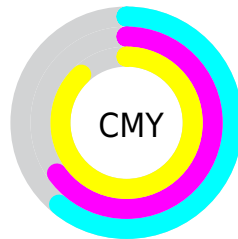
- Red (39%)
- Green (35%)
- Blue (12%)



- Red (16%)
- Yellow (39%)
- Blue (12%)



- Cyan (0%)
- Magenta (10%)
- Yellow (70%)
- Black (61%)



- Cyan (61%)
- Magenta (65%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 35.086, 96.293 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, 35.086, 96.293 by changing the saturation by 10% instead.

 38, 35.086, 96.293

 38, 35.086, 96.293

 100, 35.086,
96.293

 28, 35.086, 96.293

 58, 35.086, 96.293

 18, 35.086, 96.293

 68, 35.086, 96.293

 8, 35.086, 96.293

 78, 35.086, 96.293

 0, 35.086, 96.293

 88, 35.086, 96.293

 98, 35.086, 96.293

 38, 35.086, 96.293

 38, 35.086, 96.293

 37, 38.921, 95.274

 39, 30.641, 97.339

■ 37, 41.847, 94.271

■ 39, 25.821, 98.399

■ 37, 44.452, 93.317

■ 40, 20.785, 99.466

■ 40, 15.636,
100.531

■ 41, 10.438,
101.582

■ 42, 5.229, 102.609

■ 42, 0.033, 101.326

■ 43, 5.136, 284.623

■ 44, 10.272,
285.555

Harmonies

Complementary

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



38, 35.086, 96.293



19, 40.812, 295.541

Rectangle

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



38, 35.086, 96.293



38, 35.086, 146.293



38, 35.086, 276.293



38, 35.086, 326.293

Sweetspot

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



38, 35.086, 96.296



53, 13.566, 101.421



23, 34.003, 18.267



27, 9.255, 101.221



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, 35.086, 96.296



48, 49.381, 94.632



39, 41.066, 120.587



21, 2.964, 102.723



42, 48.976, 93.144



84, 84.529, 92.476

Inverse Universe

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



19, 40.812, 295.541



20, 62.040, 299.743



19, 47.360, 308.270



19, 3.005, 284.602



13, 66.405, 303.118



33, 120.313, 304.396

Previews

White Background



This preview shows how the CIELCh color 38, 35.086, 96.293 looks on a white background.

Color Contrast Check

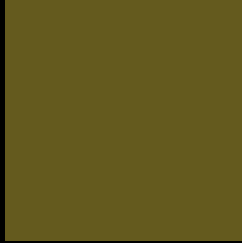
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.086, 96.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

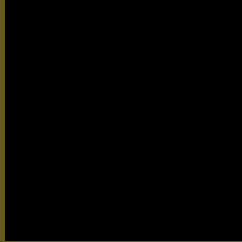
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 35.086, 96.293

Background



This preview shows how black text looks on a background with the CIELCh color 38, 35.086, 96.293.



This preview shows how white text looks on a background with the CIELCh color 38, 35.086, 96.293.

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, 35.086, 96.293

Protanopia

38, 35.086, 96.293

Deuteranopia

38, 34.543, 81.504



Tritanopia
38, 9.991, 355.550

Trichromacy



Original Color
38, 35.086, 96.293

Protanomaly
38, 35.086, 96.293

Deuteranomaly
38, 34.681, 86.861

Tritanomaly
38, 13.186, 71.568

Monochromacy



Original Color
38, 35.086, 96.293

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 13.007, 99.860

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 35.086, 96.293 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(100, 90, 30)` looks like.

```
.text, #text, p{  
    color:rgb(100, 90, 30)  
}
```

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(100, 90, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 90, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 35.086, 96.293 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(100, 90, 30) }
```

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

```
.border{ border-color:rgb(100, 90, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 90, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 90, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 90, 30);  
box-shadow:4px 4px 4px 4px rgb(100, 90,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 35.086, 96.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 90, 30) }
```

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

```
.background{ background-color: rgb(100, 90,  
30) }
```

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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