

Converting Colors

CIELCh(38, 46.085, 139.844)

Have a look what the booklet for
CIELCh(38, 46.085, 139.844)
contains.

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Color

CIELCh(38, 45.831, 139.872)

Conversions

Conversions Part 1

Format	Color
Hex	246626
RGB	36, 102, 38
RGB Percent	14%, 40%, 15%
CMY	0.8574, 0.5988, 0.8498
CMYK	0.64, 0.00, 0.63, 0.60
HSL	122°, 48%, 27%
HSV	122°, 64%, 40%
XYZ	5.8770, 10.0881, 3.4957
YIQ	74.9700, -18.7920, -33.8960

Conversions

Conversions Part 2

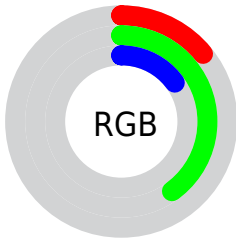
Format	Color
R_{YB}	36, 100, 102
Decimal	2385446
CIE _{Lab}	38.00, -35.04, 29.54
CIE _{LCh}	38, 45.831, 139.872
Yxy	10.0881, 0.3020, 0.5184
Android (android.graphics.Color)	4280575526 (0xFF246626)
YUV	74.9700, -18.2262, -34.1767
Hunter-Lab	31.7617, -22.5545, 15.7077

Details

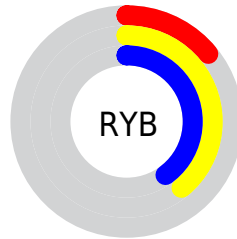
The CIELCh color **38, 45.831, 139.872** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **27, 45.241, 328.366**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 46.151, 139.772**, and **19, 38.494, 138.187** is the 20% darker color. If you saturate the color by 10%, you get **38, 51.293, 138.750**, and if you desaturate by 10%, it is **39, 39.580, 140.973**.

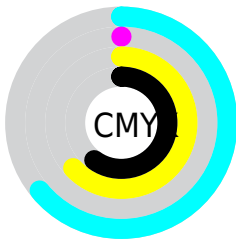
Distribution



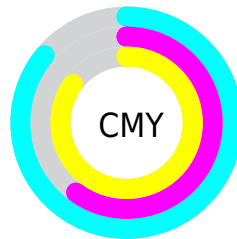
- Red (14%)
- Green (40%)
- Blue (15%)



- Red (14%)
- Yellow (39%)
- Blue (40%)



- Cyan (64%)
- Magenta (0%)
- Yellow (63%)
- Black (60%)




- Cyan (86%)
- Magenta (60%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 45.831, 139.872 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, 45.831, 139.872 by changing the saturation by 10% instead.


 38, 45.831,
139.872


 38, 45.831,
139.872

 100, 45.831,
139.872


 28, 45.831,
139.872

 58, 45.831,
139.872


 18, 45.831,
139.872


 68, 45.831,
139.872

 8, 45.831, 139.872

 78, 45.831,
139.872

 0, 45.831, 139.872

 88, 45.831,
139.872

 98, 45.831,
139.872

■ 38, 45.831,
139.872

■ 38, 45.831,
139.872

■ 38, 51.293,
138.750

■ 39, 39.580,
140.973

■ 37, 55.721,
137.699

■ 39, 32.764,
141.994

■ 37, 58.939,
136.870

■ 40, 25.581,
142.909

■ 37, 60.552,
136.489

■ 41, 18.192,
143.713

■ 42, 10.727,
144.413

■ 43, 3.288, 145.043

■ 44, 4.051, 325.464

■ 45, 11.238,
325.926

■ 47, 18.239,
326.306

Harmonies

Complementary

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



38, 45.831, 139.872



27, 45.241, 328.366

Rectangle

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



38, 45.831, 139.872



38, 45.831, 189.872



38, 45.831, 319.872



38, 45.831, 9.872

Sweetspot

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



38, 45.831, 139.872



53, 17.467, 144.070



42, 37.368, 105.412



26, 11.930, 143.925



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, 45.831, 139.872



48, 64.407, 138.239



39, 31.505, 157.674



21, 4.139, 144.764



42, 65.767, 136.433



84, 114.740, 136.186

Inverse Universe

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



27, 45.241, 328.366



33, 62.710, 328.866



25, 33.512, 351.865



20, 4.146, 325.670



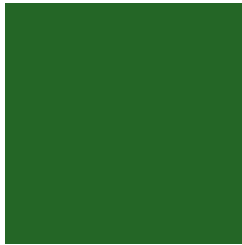
26, 62.706, 329.380



57, 108.599, 329.453

Previews

White Background



This preview shows how the CIELCh color 38, 45.831, 139.872 looks on a white background.

Color Contrast Check

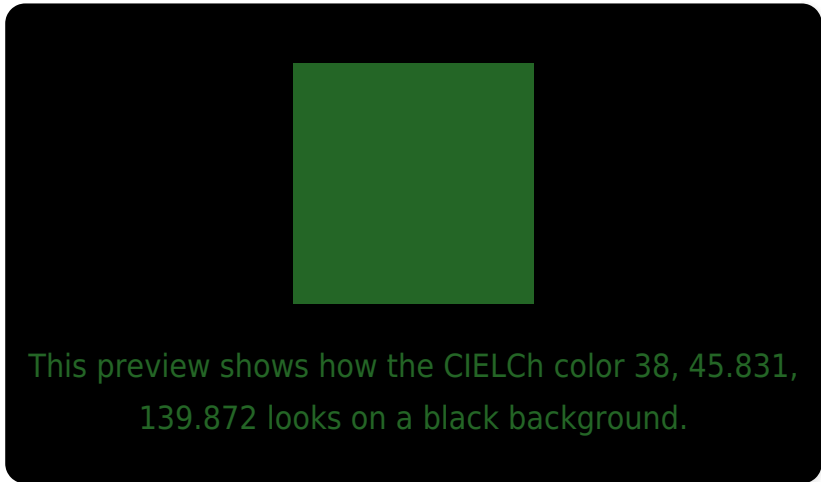
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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, 45.831, 139.872

Background



This preview shows how black text looks on a background with the CIELCh color 38, 45.831, 139.872.



This preview shows how white text looks on a background with the CIELCh color 38, 45.831, 139.872.

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, 45.831, 139.872

Protanopia
38, 32.156, 96.020

Deuteranopia
38, 28.041, 79.611



Tritanopia
38, 15.557, 216.292

Trichromacy



Original Color
38, 45.831, 139.872

Protanomaly
37, 34.798, 119.133

Deuteranomaly
37, 29.277, 113.038

Tritanomaly
38, 22.554, 167.131

Monochromacy



Original Color
38, 45.831, 139.872

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 17.860, 143.812

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 45.831, 139.872 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(36, 102, 38)` looks like.

```
.text, #text, p{  
    color:rgb(36, 102, 38)  
}
```

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(36, 102, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 102, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 45.831, 139.872 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(36, 102, 38) }
```

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

```
.border{ border-color:rgb(36, 102, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 102, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 102, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 102, 38);  
box-shadow:4px 4px 4px 4px rgb(36, 102,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 45.831, 139.872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 102, 38) }
```

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

```
.background{ background-color: rgb(36, 102,  
38) }
```

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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