

Converting Colors

CIELCh(38, 47.284, 139.487)

Have a look what the booklet for
CIELCh(38, 47.284, 139.487)
contains.

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Color

CIELCh(38, 47.556, 139.574)

Conversions

Conversions Part 1

Format	Color
Hex	226724
RGB	34, 103, 36
RGB Percent	13%, 40%, 14%
CMY	0.8683, 0.5975, 0.8601
CMYK	0.67, 0.00, 0.65, 0.60
HSL	122°, 51%, 27%
HSV	122°, 67%, 40%
XYZ	5.7742, 10.0881, 3.2855
YIQ	74.7310, -19.6170, -35.4650

Conversions

Conversions Part 2

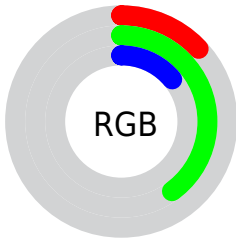
Format	Color
R_{YB}	34, 101, 103
Decimal	2254628
CIE _{Lab}	38.00, -36.20, 30.84
CIE _{LCh}	38, 47.556, 139.574
Yxy	10.0881, 0.3016, 0.5269
Android (android.graphics.Color)	4280444708 (0xFF226724)
YUV	74.7310, -19.0944, -35.7211
Hunter-Lab	31.7617, -23.1320, 16.1001

Details

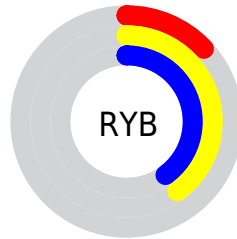
The CIELCh color **38, 47.556, 139.574** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **26, 46.834, 328.503**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 47.397, 139.715**, and **19, 39.062, 137.997** is the 20% darker color. If you saturate the color by 10%, you get **38, 52.763, 138.459**, and if you desaturate by 10%, it is **38, 41.491, 140.690**.

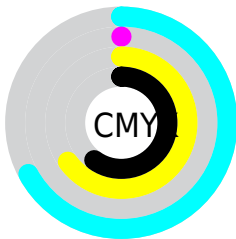
Distribution



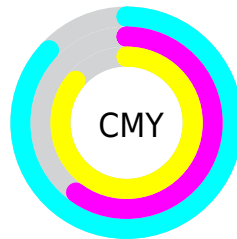
- Red (13%)
- Green (40%)
- Blue (14%)



- Red (13%)
- Yellow (40%)
- Blue (40%)



- Cyan (67%)
- Magenta (0%)
- Yellow (65%)
- Black (60%)





- Cyan (87%)
- Magenta (60%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 47.556, 139.574 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, 47.556, 139.574 by changing the saturation by 10% instead.


 38, 47.556,
139.574


 38, 47.556,
139.574

 100, 47.556,
139.574


 28, 47.556,
139.574

 58, 47.556,
139.574

 18, 47.556,
139.574

 68, 47.556,
139.574

 8, 47.556, 139.574

 78, 47.556,
139.574

 0, 47.556, 139.574

 88, 47.556,
139.574

 98, 47.556,
139.574

■ 38, 47.556,
139.574

■ 38, 47.556,
139.574

■ 38, 52.763,
138.459

■ 38, 41.491,
140.690

■ 37, 56.867,
137.445

■ 39, 34.799,
141.738

■ 37, 59.870,
136.693

■ 40, 27.688,
142.686

■ 37, 60.670,
136.503

■ 41, 20.327,
143.522

■ 42, 12.857,
144.250

■ 43, 5.388, 144.890

■ 44, 2.001, 325.312

■ 45, 9.249, 325.833

■ 46, 16.319,
326.232

Harmonies

Complementary

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



38, 47.556, 139.574



26, 46.834, 328.503

Rectangle

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



38, 47.556, 139.574



38, 47.556, 189.574



38, 47.556, 319.574



38, 47.556, 9.574

Sweetspot

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



38, 47.556, 139.575



53, 18.379, 144.023



42, 38.809, 105.223



26, 12.442, 143.882



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, 47.556, 139.575



48, 66.470, 137.833



39, 32.729, 157.239



21, 4.136, 144.790



42, 65.746, 136.446



84, 114.725, 136.191

Inverse Universe

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



26, 46.834, 328.503



32, 64.413, 329.013



25, 34.777, 352.390



20, 4.143, 325.696



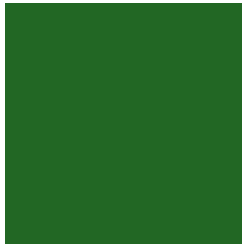
26, 62.662, 329.418



57, 108.519, 329.493

Previews

White Background



This preview shows how the CIELCh color 38, 47.556, 139.574 looks on a white background.

Color Contrast Check

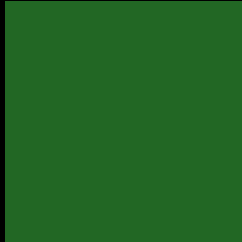
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 47.556, 139.574 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, 47.556, 139.574

Background



This preview shows how black text looks on a background with the CIELCh color 38, 47.556, 139.574.



This preview shows how white text looks on a background with the CIELCh color 38, 47.556, 139.574.

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, 47.556, 139.574

Protanopia

38, 33.746, 95.296

Deuteranopia

38, 29.598, 80.666



Tritanopia
38, 15.815, 215.950

Trichromacy



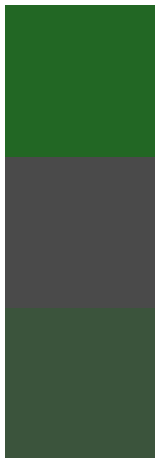
Original Color
38, 47.556, 139.574

Protanomaly
37, 36.239, 118.387

Deuteranomaly
37, 30.936, 113.303

Tritanomaly
38, 23.433, 166.506

Monochromacy



Original Color
38, 47.556, 139.574

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 18.660, 143.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 47.556, 139.574 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(34, 103, 36)` looks like.

```
.text, #text, p{  
    color:rgb(34, 103, 36)  
}
```

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(34, 103, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 103, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 47.556, 139.574 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(34, 103, 36) }
```

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

```
.border{ border-color:rgb(34, 103, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 103, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 103, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 103, 36);  
box-shadow:4px 4px 4px 4px rgb(34, 103,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 47.556, 139.574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 103, 36) }
```

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

```
.background{ background-color: rgb(34, 103,  
36) }
```

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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