

Converting Colors

CIELCh(38, 45.347, 145.720)

Have a look what the booklet for
CIELCh(38, 45.347, 145.720)
contains.

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Color

CIELCh(38, 45.105, 145.908)

Conversions

Conversions Part 1

Format	Color
Hex	15672E
RGB	21, 103, 46
RGB Percent	8%, 40%, 18%
CMY	0.9168, 0.5955, 0.8191
CMYK	0.79, 0.00, 0.55, 0.60
HSL	138°, 66%, 24%
HSV	138°, 79%, 40%
XYZ	5.6733, 10.0881, 4.2458
YIQ	71.9840, -30.5750, -35.1110

Conversions

Conversions Part 2

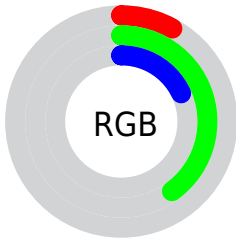
Format	Color
R_{YB}	21, 84, 103
Decimal	1402670
CIE _{Lab}	38.00, -37.35, 25.28
CIE _{LCh}	38, 45.105, 145.908
Yxy	10.0881, 0.2836, 0.5042
Android (android.graphics.Color)	4279592750 (0xFF15672E)
YUV	71.9840, -12.8101, -44.7130
Hunter-Lab	31.7617, -23.6990, 14.3074

Details

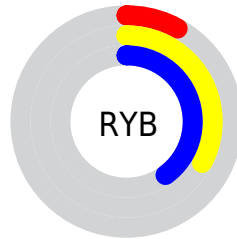
The CIELCh color **38, 45.105, 145.908** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **24, 43.702, 341.118**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 45.243, 145.794**, and **19, 39.062, 137.997** is the 20% darker color. If you saturate the color by 10%, you get **38, 49.135, 144.177**, and if you desaturate by 10%, it is **38, 40.501, 147.494**.

Distribution



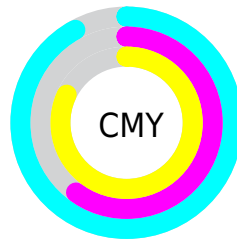
- Red (8%)
- Green (40%)
- Blue (18%)



- Red (8%)
- Yellow (33%)
- Blue (40%)



- Cyan (79%)
- Magenta (0%)
- Yellow (55%)
- Black (60%)



- Cyan (92%)
- Magenta (60%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 45.105, 145.908 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, 45.105, 145.908 by changing the saturation by 10% instead.


 38, 45.105,
145.908


 38, 45.105,
145.908

 100, 45.105,
145.908


 28, 45.105,
145.908

 58, 45.105,
145.908


 18, 45.105,
145.908

 68, 45.105,
145.908

 8, 45.105, 145.908

 78, 45.105,
145.908

 0, 45.105, 145.908

 88, 45.105,
145.908

 98, 45.105,
145.908

■ 38, 45.105,
145.908

■ 38, 45.105,
145.908

■ 38, 49.135,
144.177

■ 38, 40.501,
147.494

■ 38, 52.719,
142.548

■ 39, 35.395,
148.917

■ 38, 52.914,
142.468

■ 39, 29.883,
150.176

■ 40, 24.066,
151.282

■ 41, 18.049,
152.251

■ 42, 11.923,
153.104

■ 43, 5.769, 153.867

■ 44, 0.347, 333.884

Harmonies

Complementary

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



38, 45.105, 145.908



24, 43.702, 341.118

Rectangle

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



38, 45.105, 145.908



38, 45.105, 195.908



38, 45.105, 325.908



38, 45.105, 15.908

Sweetspot

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



38, 45.105, 145.908



53, 18.386, 152.669



40, 45.775, 118.427



27, 12.726, 152.437



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 45.105, 145.908



49, 63.123, 142.669



39, 28.085, 174.998



21, 3.400, 153.906



42, 57.424, 142.195



84, 102.557, 140.913

Inverse Universe

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



24, 43.702, 341.118



30, 57.094, 343.790



22, 38.677, 17.643



20, 3.417, 334.986



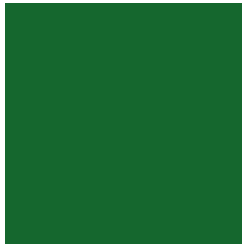
24, 51.479, 344.267



54, 88.274, 345.576

Previews

White Background



This preview shows how the CIE LCh color 38, 45.105, 145.908 looks on a white background.

Color Contrast Check

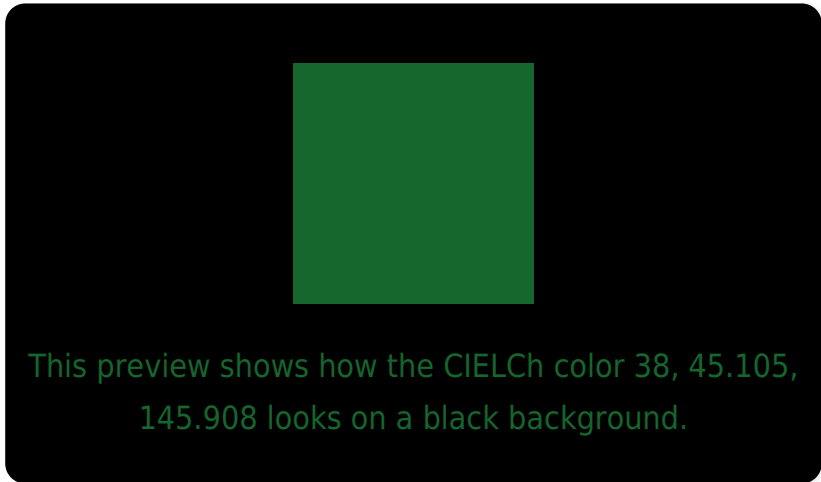
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.105, 145.908

Background



This preview shows how black text looks on a background with the CIELCh color 38, 45.105, 145.908.



This preview shows how white text looks on a background with the CIELCh color 38, 45.105, 145.908.

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, 45.105, 145.908

Protanopia

38, 28.474, 95.577

Deuteranopia

38, 24.099, 77.399



Tritanopia
38, 17.769, 213.649

Trichromacy



Original Color
38, 45.105, 145.908

Protanomaly
37, 31.504, 125.335

Deuteranomaly
37, 26.687, 121.312

Tritanomaly
38, 24.279, 173.939

Monochromacy



Original Color
38, 45.105, 145.908

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 17.789, 152.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 45.105, 145.908 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(21, 103, 46)` looks like.

```
.text, #text, p{  
    color:rgb(21, 103, 46)  
}
```

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(21, 103, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 103, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 45.105, 145.908 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(21, 103, 46) }
```

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

```
.border{ border-color:rgb(21, 103, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 103, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 103, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 103, 46);  
box-shadow:4px 4px 4px 4px rgb(21, 103,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 45.105, 145.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 103, 46) }
```

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

```
.background{ background-color: rgb(21, 103,  
46) }
```

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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