

Converting Colors

CIELCh(42, 58.350, 138.721)

Have a look what the booklet for
CIELCh(42, 58.350, 138.721)
contains.

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Color

CIELCh(42, 58.399, 138.676)

Conversions

Conversions Part 1

Format	Color
Hex	16731C
RGB	22, 115, 28
RGB Percent	9%, 45%, 11%
CMY	0.9141, 0.5493, 0.8904
CMYK	0.81, 0.00, 0.76, 0.55
HSL	124°, 68%, 27%
HSV	124°, 81%, 45%
XYZ	6.6609, 12.5000, 3.1564
YIQ	77.2750, -27.5010, -46.7730

Conversions

Conversions Part 2

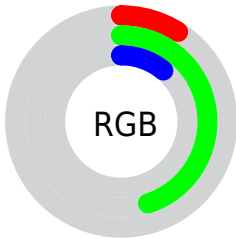
Format	Color
R_{YB}	22, 109, 115
Decimal	1471260
CIE _{Lab}	42.00, -43.86, 38.56
CIE _{LCh}	42, 58.399, 138.676
Yxy	12.5000, 0.2985, 0.5601
Android (android.graphics.Color)	4279661340 (0xFF16731C)
YUV	77.2750, -24.2926, -48.4762
Hunter-Lab	35.3553, -28.2425, 19.4556

Details

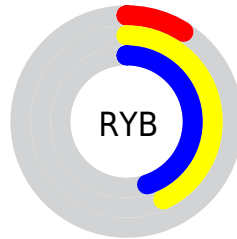
The CIELCh color **42, 58.399, 138.676** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **28, 56.307, 330.239**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 58.287, 138.744**, and **23, 44.475, 136.657** is the 20% darker color. If you saturate the color by 10%, you get **42, 62.422, 137.578**, and if you desaturate by 10%, it is **42, 53.159, 139.881**.

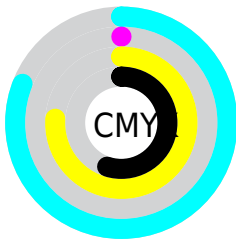
Distribution



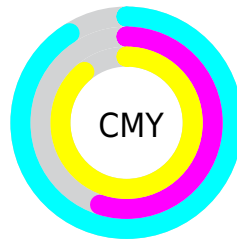
- Red (9%)
- Green (45%)
- Blue (11%)



- Red (9%)
- Yellow (43%)
- Blue (45%)



- Cyan (81%)
- Magenta (0%)
- Yellow (76%)
- Black (55%)





- Cyan (91%)
- Magenta (55%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 58.399, 138.676 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 42, 58.399, 138.676 by changing the saturation by 10% instead.


 42, 58.399,
138.676


 42, 58.399,
138.676


 100, 58.399,
138.676


 32, 58.399,
138.676

 62, 58.399,
138.676


 22, 58.399,
138.676

 72, 58.399,
138.676

 12, 58.399,
138.676

 82, 58.399,
138.676

 2, 58.399, 138.676

 92, 58.399,
138.676

 0, 58.399, 138.676

 42, 58.399,

 42, 58.399,

138.676

■ 42, 62.422,
137.578

■ 42, 65.058,
136.929

138.676

■ 42, 53.159,
139.881

■ 43, 46.940,
141.085

■ 43, 39.982,
142.219

■ 44, 32.503,
143.245

■ 45, 24.696,
144.150

■ 46, 16.720,
144.939

■ 47, 8.704, 145.626

■ 48, 0.746, 146.430

Harmonies

Complementary

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



42, 58.399, 138.676



28, 56.307, 330.239

Rectangle

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



42, 58.399, 138.676



42, 58.399, 188.676



42, 58.399, 318.676



42, 58.399, 8.676

Sweetspot

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



42, 58.399, 138.677



59, 23.891, 144.662



46, 48.599, 106.174



30, 16.540, 144.436



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



42, 58.399, 138.677



54, 78.716, 136.840



43, 39.985, 156.557



24, 4.543, 145.747



44, 68.154, 136.866



86, 116.857, 136.401

Inverse Universe

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



28, 56.307, 330.239



35, 73.601, 330.857



25, 42.678, 358.242



23, 4.551, 326.696



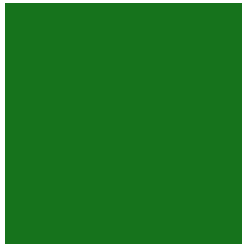
28, 63.907, 330.896



58, 108.052, 331.055

Previews

White Background



This preview shows how the CIELCh color 42, 58.399, 138.676 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 42, 58.399, 138.676 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 42, 58.399, 138.676

Background



This preview shows how black text looks on a background with the CIELCh color 42, 58.399, 138.676.



This preview shows how white text looks on a background with the CIELCh color 42, 58.399, 138.676.

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

42, 58.399, 138.676

Protanopia

42, 41.805, 95.661

Deuteranopia

42, 36.546, 81.649



Tritanopia
42, 18.899, 214.334

Trichromacy



Original Color
42, 58.399, 138.676

Protanomaly
41, 45.330, 119.498

Deuteranomaly
41, 39.144, 115.685

Tritanomaly
42, 29.809, 164.225

Monochromacy



Original Color
42, 58.399, 138.676

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 24.643, 143.507

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 58.399, 138.676 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(22, 115, 28)` looks like.

```
.text, #text, p{  
    color:rgb(22, 115, 28)  
}
```

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(22, 115, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 115, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 58.399, 138.676 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(22, 115, 28) }
```

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

```
.border{ border-color:rgb(22, 115, 28) }
```

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

Here you see how a box with a 4 pixel rgb(22, 115, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 115, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 115, 28);  
box-shadow:4px 4px 4px 4px rgb(22, 115,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 58.399, 138.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 115, 28) }
```

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

```
.background{ background-color: rgb(22, 115,  
28) }
```

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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