

Converting Colors

CIELCh(42, 38.322, 147.417)

Have a look what the booklet for
CIELCh(42, 38.322, 147.417)
contains.

CIELCh(42, 38.292, 147.478)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 38.292, 147.478)

Conversions

Conversions Part 1

Format	Color
Hex	2F7040
RGB	47, 112, 64
RGB Percent	18%, 44%, 25%
CMY	0.8167, 0.5617, 0.7499
CMYK	0.58, 0.00, 0.43, 0.56
HSL	136°, 41%, 31%
HSV	136°, 58%, 44%
XYZ	7.8466, 12.5000, 6.8163
YIQ	87.0930, -23.3320, -28.7080

Conversions

Conversions Part 2

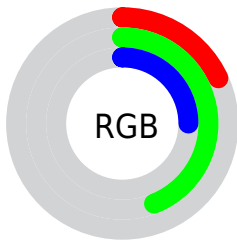
Format	Color
RYB	47, 99, 112
Decimal	3108928
CIELab	42.00, -32.29, 20.59
CIElCh	42, 38.292, 147.478
Yxy	12.5000, 0.2889, 0.4602
Android (android.graphics.Color)	4281299008 (0xFF2F7040)
YUV	87.0930, -11.3848, -35.1616
Hunter-Lab	35.3553, -22.2565, 13.3179

Details

The CIELCh color $42, 38.292, 147.478$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $30, 38.247, 336.912$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 38.221, 147.343$, and $22, 36.046, 144.629$ is the 20% darker color. If you saturate the color by 10%, you get $42, 43.962, 146.083$, and if you desaturate by 10%, it is $43, 32.171, 148.713$.

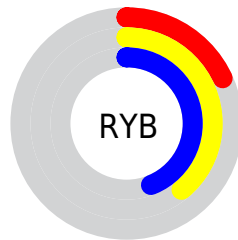
Distribution



Red (18%)

Green (44%)

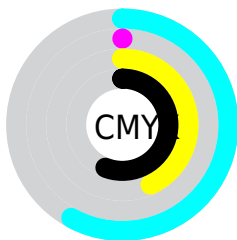
Blue (25%)



Red (18%)

Yellow (39%)

Blue (44%)

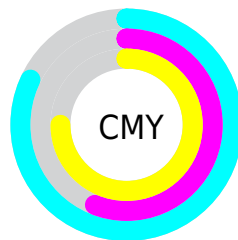


Cyan (58%)

Magenta (0%)

Yellow (43%)

Black (56%)



Cyan (82%)

Magenta (56%)

Yellow (75%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 38.292, 147.478 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, 38.292, 147.478 by changing the saturation by 10% instead.

 42, 38.292,
147.478

 42, 38.292,
147.478


 100, 38.292,
147.478

 32, 38.292,
147.478

 62, 38.292,
147.478

 22, 38.292,
147.478

 72, 38.292,
147.478

 12, 38.292,
147.478

 82, 38.292,
147.478

 2, 38.292, 147.478

 92, 38.292,
147.478

 0, 38.292, 147.478

 42, 38.292,

 42, 38.292,

147.478

147.478

■ 42, 43.962,
146.083

■ 43, 32.171,
148.713

■ 41, 49.061,
144.534

■ 43, 25.719,
149.796

■ 41, 53.492,
142.857

■ 44, 19.056,
150.743

■ 41, 57.293,
141.232

■ 45, 12.287,
151.571

■ 41, 57.945,
140.980

■ 46, 5.503, 152.312

■ 47, 1.227, 332.729

■ 49, 7.849, 333.432

■ 50, 14.325,
333.937

■ 51, 20.630,

Harmonies

Complementary

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



42, 38.292, 147.478



30, 38.247, 336.912

Rectangle

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



42, 38.292, 147.478



42, 38.292, 197.478



42, 38.292, 327.478



42, 38.292, 17.478

Sweetspot

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



42, 38.293, 147.478



58, 14.255, 151.628



45, 37.567, 116.620



30, 9.612, 151.513



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 38.293, 147.478



53, 55.481, 145.531



43, 25.207, 173.587



23, 3.800, 152.252



44, 61.134, 140.821



86, 107.164, 139.703

Inverse Universe

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



30, 38.247, 336.912



36, 54.319, 338.148



29, 30.797, 7.595



22, 3.816, 333.318



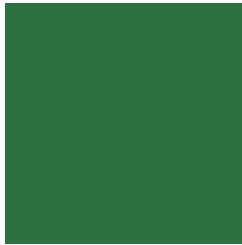
26, 54.525, 341.519



55, 92.201, 342.505

Previews

White Background



This preview shows how the CIELCh color 42, 38.292, 147.478 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 42, 38.292, 147.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

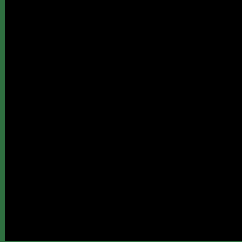
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 38.292, 147.478

Background



This preview shows how black text looks on a background with the CIELCh color 42, 38.292, 147.478.



This preview shows how white text looks on a background with the CIELCh color 42, 38.292, 147.478.

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, 38.292, 147.478

Protanopia

42, 24.130, 96.375

Deuteranopia

42, 19.513, 72.400



Tritanopia
42, 16.383, 215.013

Trichromacy



Original Color
42, 38.292, 147.478

Protanomaly
42, 26.644, 124.247

Deuteranomaly
41, 20.591, 117.299

Tritanomaly
42, 20.934, 176.566

Monochromacy



Original Color
42, 38.292, 147.478

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 14.595, 152.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 38.292, 147.478 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(47, 112, 64)` looks like.

```
.text, #text, p{  
    color:rgb(47, 112, 64)  
}
```

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(47, 112, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 112, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 38.292, 147.478 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(47, 112, 64) }
```

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

```
.border{ border-color:rgb(47, 112, 64) }
```

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

Here you see how a box with a 4 pixel rgb(47, 112, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 112, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 112, 64);  
box-shadow:4px 4px 4px 4px rgb(47, 112,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 38.292, 147.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 112, 64) }
```

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

```
.background{ background-color: rgb(47, 112,  
64) }
```

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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