

Converting Colors

CIELCh(47, 42.182, 138.448)

Have a look what the booklet for
CIELCh(47, 42.182, 138.448)
contains.

CIELCh(47, 42.212, 138.164)	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(47, 42.212, 138.164)

Conversions

Conversions Part 1

Format	Color
Hex	457C3E
RGB	69, 124, 62
RGB Percent	27%, 49%, 24%
CMY	0.7295, 0.5138, 0.7570
CMYK	0.44, 0.00, 0.50, 0.51
HSL	113°, 33%, 36%
HSV	113°, 50%, 49%
XYZ	10.5248, 16.0195, 7.0908
YIQ	100.4870, -12.8780, -30.9420

Conversions

Conversions Part 2

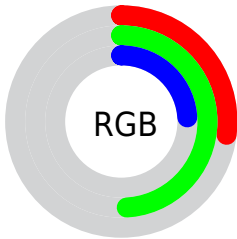
Format	Color
RYB	62, 124, 117
Decimal	4553790
CIELab	47.00, -31.45, 28.16
CIELCh	47, 42.212, 138.164
Yxy	16.0195, 0.3129, 0.4763
Android (android.graphics.Color)	4282743870 (0xFF457C3E)
YUV	100.4870, -18.9741, -27.6141
Hunter-Lab	40.0243, -23.1043, 17.5131

Details

The CIELCh color $47, 42.212, 138.164$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $35, 42.520, 323.536$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 42.059, 138.078$, and $27, 41.993, 138.294$ is the 20% darker color. If you saturate the color by 10%, you get $46, 49.789, 137.356$, and if you desaturate by 10%, it is $48, 34.109, 138.946$.

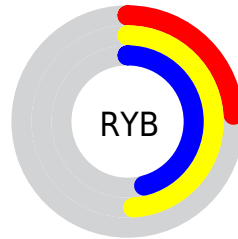
Distribution



 Red (27%)

 Green (49%)

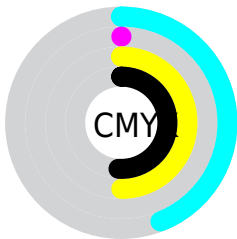
 Blue (24%)




 Red (24%)

 Yellow (49%)

 Blue (46%)

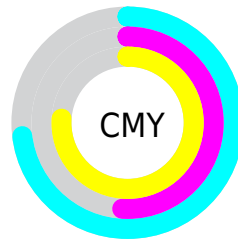


 Cyan (44%)


 Magenta (0%)

 Yellow (50%)

 Black (51%)



 Cyan (73%)


 Magenta (51%)


 Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 42.212, 138.164 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 47, 42.212, 138.164 by changing the saturation by 10% instead.


 47, 42.212,
138.164


 47, 42.212,
138.164


 100, 42.212,
138.164


 37, 42.212,
138.164

 67, 42.212,
138.164


 27, 42.212,
138.164

 77, 42.212,
138.164

 17, 42.212,
138.164

 87, 42.212,
138.164

 7, 42.212, 138.164

 97, 42.212,
138.164

 0, 42.212, 138.164

 47, 42.212,

 47, 42.212,

138.164

■ 46, 49.789,
137.356

■ 46, 56.567,
136.584

■ 45, 62.224,
135.949

■ 45, 66.432,
135.568

■ 45, 69.477,
135.238

138.164

■ 48, 34.109,
138.946

■ 49, 25.691,
139.666

■ 50, 17.123,
140.311

■ 51, 8.529, 140.883

■ 52, 0.004, 193.086

■ 53, 8.393, 321.750

■ 55, 16.611,
322.118

■ 56, 24.623,
322.428

■ 58, 32.413,

Harmonies

Complementary

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



47, 42.212, 138.164



35, 42.520, 323.536

Rectangle

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



47, 42.212, 138.164



47, 42.212, 188.164



47, 42.212, 318.164



47, 42.212, 8.164

Sweetspot

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



47, 42.213, 138.165



64, 15.843, 140.585



49, 31.480, 99.775



33, 10.901, 140.484



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 42.213, 138.165



59, 61.345, 137.242



47, 32.932, 153.183



25, 4.746, 140.934



45, 69.875, 135.244



87, 118.160, 135.580

Inverse Universe

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



35, 42.520, 323.536



42, 61.622, 323.895



35, 33.685, 342.096



24, 4.763, 321.745



26, 68.652, 324.011



55, 115.635, 323.791

Previews

White Background



This preview shows how the CIELCh color 47, 42.212, 138.164 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 47, 42.212, 138.164 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 47, 42.212, 138.164

Background



This preview shows how black text looks on a background with the CIELCh color 47, 42.212, 138.164.



This preview shows how white text looks on a background with the CIELCh color 47, 42.212, 138.164.

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

47, 42.212, 138.164

Protanopia

47, 31.010, 96.234

Deuteranopia

47, 26.960, 76.451



Tritanopia
47, 13.704, 221.205

Trichromacy



Original Color
47, 42.212, 138.164

Protanomaly
47, 33.072, 116.084

Deuteranomaly
46, 27.741, 108.211

Tritanomaly
47, 19.550, 166.285

Monochromacy



Original Color
47, 42.212, 138.164

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 16.156, 139.784

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 42.212, 138.164 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(69, 124, 62)` looks like.

```
.text, #text, p{  
    color:rgb(69, 124, 62)  
}
```

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(69, 124, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 124, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 42.212, 138.164 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(69, 124, 62) }
```

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

```
.border{ border-color:rgb(69, 124, 62) }
```

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

Here you see how a box with a 4 pixel rgb(69, 124, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 124, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 124, 62);  
box-shadow:4px 4px 4px 4px rgb(69, 124,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 42.212, 138.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 124, 62) }
```

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

```
.background{ background-color: rgb(69, 124,  
62) }
```

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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