

Converting Colors

CIELCh(47, 41.921, 138.690)

Have a look what the booklet for
CIELCh(47, 41.921, 138.690)
contains.

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Color

CIELCh(47, 41.754, 138.563)

Conversions

Conversions Part 1

Format	Color
Hex	457C3F
RGB	69, 124, 63
RGB Percent	27%, 49%, 25%
CMY	0.7297, 0.5140, 0.7532
CMYK	0.44, 0.00, 0.49, 0.51
HSL	114°, 33%, 37%
HSV	114°, 49%, 49%
XYZ	10.5442, 16.0195, 7.2299
YIQ	100.6010, -13.1990, -30.6310

Conversions

Conversions Part 2

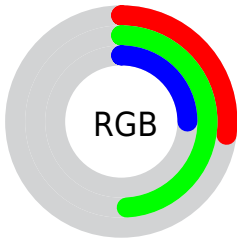
Format	Color
RYB	63, 124, 118
Decimal	4553791
CIELab	47.00, -31.30, 27.63
CIELCh	47, 41.754, 138.563
Yxy	16.0195, 0.3120, 0.4740
Android (android.graphics.Color)	4282743871 (0xFF457C3F)
YUV	100.6010, -18.5373, -27.7141
Hunter-Lab	40.0243, -23.0174, 17.3070

Details

The CIELCh color $47, 41.754, 138.563$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $36, 41.990, 323.952$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 41.604, 138.456$, and $27, 41.485, 138.437$ is the 20% darker color. If you saturate the color by 10%, you get $46, 49.396, 137.725$, and if you desaturate by 10%, it is $48, 33.593, 139.365$.

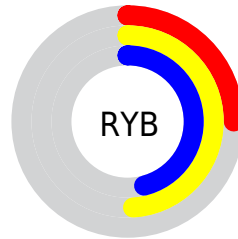
Distribution



Red (27%)

Green (49%)

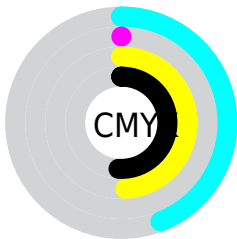
Blue (25%)



Red (25%)

Yellow (49%)

Blue (46%)

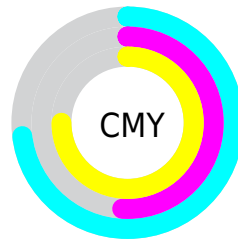


Cyan (44%)

Magenta (0%)

Yellow (49%)

Black (51%)



Cyan (73%)

Magenta (51%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 41.754, 138.563 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, 41.754, 138.563 by changing the saturation by 10% instead.


 47, 41.754,
138.563


 47, 41.754,
138.563


 100, 41.754,
138.563


 37, 41.754,
138.563

 67, 41.754,
138.563


 27, 41.754,
138.563

 77, 41.754,
138.563

 17, 41.754,
138.563

 87, 41.754,
138.563

 7, 41.754, 138.563

 97, 41.754,
138.563

 0, 41.754, 138.563

 47, 41.754,

 47, 41.754,

138.563

■ 46, 49.396,
137.725

■ 46, 56.249,
136.910

■ 45, 61.992,
136.215

■ 45, 66.296,
135.760

■ 45, 69.341,
135.401

■ 45, 69.569,
135.353

138.563

■ 48, 33.593,
139.365

■ 49, 25.125,
140.098

■ 50, 16.513,
140.751

■ 51, 7.883, 141.329

■ 52, 0.673, 321.553

■ 53, 9.090, 322.201

■ 55, 17.322,
322.569

■ 56, 25.343,
322.879

■ 58, 33.136,

Harmonies

Complementary

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



47, 41.754, 138.563



36, 41.990, 323.952

Rectangle

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



47, 41.754, 138.563



47, 41.754, 188.563



47, 41.754, 318.563



47, 41.754, 8.563

Sweetspot

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



47, 41.755, 138.564



64, 15.917, 140.982



49, 31.454, 100.776



33, 10.952, 140.879



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, 41.755, 138.564



59, 60.698, 137.625



47, 31.997, 154.008



25, 4.768, 141.338



45, 69.983, 135.359



87, 118.297, 135.665

Inverse Universe

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



36, 41.990, 323.952



43, 60.863, 324.320



35, 32.846, 342.889



24, 4.784, 322.163



27, 68.558, 324.543



56, 115.464, 324.350

Previews

White Background



This preview shows how the CIELCh color 47, 41.754, 138.563 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, 41.754, 138.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

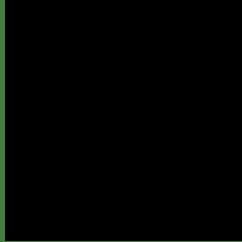
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 41.754, 138.563

Background



This preview shows how black text looks on a background with the CIELCh color 47, 41.754, 138.563.



This preview shows how white text looks on a background with the CIELCh color 47, 41.754, 138.563.

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, 41.754, 138.563

Protanopia
47, 31.010, 96.234

Deuteranopia
47, 26.701, 77.304



Tritanopia
47, 13.704, 221.205

Trichromacy



Original Color
47, 41.754, 138.563

Protanomaly
47, 32.549, 116.307

Deuteranomaly
46, 27.210, 109.285

Tritanomaly
47, 19.550, 166.285

Monochromacy



Original Color
47, 41.754, 138.563

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 15.648, 140.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 41.754, 138.563 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(69, 124, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 124, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 41.754, 138.563 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, 63) }
```

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

```
.border{ border-color:rgb(69, 124, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 124, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 124, 63);  
box-shadow:4px 4px 4px 4px rgb(69, 124,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 41.754, 138.563 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, 63) }
```

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

```
.background{ background-color: rgb(69, 124,  
63) }
```

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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