

Converting Colors

CIELCh(47, 35.887, 149.208)

Have a look what the booklet for
CIELCh(47, 35.887, 149.208)
contains.

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Color

CIELCh(47, 35.922, 148.873)

Conversions

Conversions Part 1

Format	Color
Hex	3E7C4F
RGB	62, 124, 79
RGB Percent	24%, 49%, 31%
CMY	0.7567, 0.5135, 0.6900
CMYK	0.50, 0.00, 0.36, 0.51
HSL	136°, 33%, 36%
HSV	136°, 50%, 49%
XYZ	10.6171, 16.0195, 9.9389
YIQ	100.3320, -22.5070, -27.1390

Conversions

Conversions Part 2

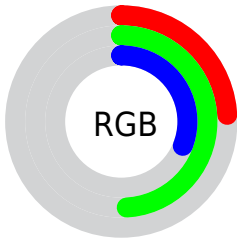
Format	Color
R_{YB}	62, 111, 124
Decimal	4095055
CIE _{Lab}	47.00, -30.75, 18.57
CIE _{LCh}	47, 35.922, 148.873
Yxy	16.0195, 0.2903, 0.4380
Android (android.graphics.Color)	4282285135 (0xFF3E7C4F)
YUV	100.3320, -10.5167, -33.6172
Hunter-Lab	40.0243, -22.6924, 13.2940

Details

The CIELCh color $47, 35.922, 148.873$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $36, 36.129, 336.818$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 35.595, 149.046$, and $27, 35.541, 149.060$ is the 20% darker color. If you saturate the color by 10%, you get $46, 42.424, 147.578$, and if you desaturate by 10%, it is $48, 29.031, 150.009$.

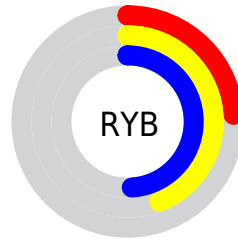
Distribution



Red (24%)

Green (49%)

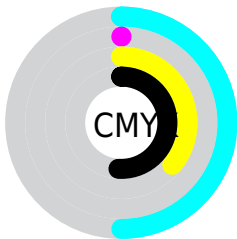
Blue (31%)



Red (24%)

Yellow (44%)

Blue (49%)

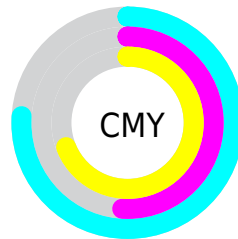


Cyan (50%)

Magenta (0%)

Yellow (36%)

Black (51%)



Cyan (76%)


Magenta (51%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 35.922, 148.873 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, 35.922, 148.873 by changing the saturation by 10% instead.


 47, 35.922,
148.873


 47, 35.922,
148.873


 100, 35.922,
148.873


 37, 35.922,
148.873

 67, 35.922,
148.873


 27, 35.922,
148.873

 77, 35.922,
148.873

 17, 35.922,
148.873

 87, 35.922,
148.873

 7, 35.922, 148.873

 97, 35.922,
148.873

 0, 35.922, 148.873

 47, 35.922,

 47, 35.922,

148.873

148.873

■ 46, 42.424,
147.578

■ 48, 29.031,
150.009

■ 46, 48.401,
146.117

■ 49, 21.881,
151.000

■ 45, 53.734,
144.498

■ 50, 14.591,
151.867

■ 45, 58.325,
142.752

■ 51, 7.263, 152.636

■ 45, 62.261,
141.099

■ 52, 0.021, 321.895

■ 53, 7.196, 333.812

■ 45, 62.269,
141.096

■ 55, 14.221,
334.343

■ 56, 21.063,
334.808

■ 58, 27.706,

Harmonies

Complementary

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



47, 35.922, 148.873



36, 36.129, 336.818

Rectangle

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



47, 35.922, 148.873



47, 35.922, 198.873



47, 35.922, 328.873



47, 35.922, 18.873

Sweetspot

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



47, 35.923, 148.873



64, 13.519, 152.232



49, 35.711, 117.684



33, 9.300, 152.097



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, 35.923, 148.873



59, 52.285, 147.378



48, 23.892, 175.828



25, 4.052, 152.703



45, 62.614, 141.080



87, 108.064, 140.006

Inverse Universe

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



36, 36.129, 336.818



43, 52.077, 337.818



35, 28.746, 7.220



24, 4.070, 333.802



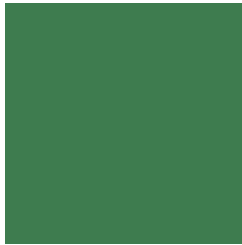
27, 55.686, 342.395



56, 92.843, 343.395

Previews

White Background



This preview shows how the CIELCh color 47, 35.922, 148.873 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, 35.922, 148.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

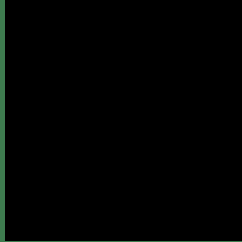
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 35.922, 148.873

Background



This preview shows how black text looks on a background with the CIELCh color 47, 35.922, 148.873.



This preview shows how white text looks on a background with the CIELCh color 47, 35.922, 148.873.

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, 35.922, 148.873

Protanopia
47, 22.027, 96.373

Deuteranopia
47, 17.871, 68.861



Tritanopia
47, 16.067, 219.727

Trichromacy



Original Color
47, 35.922, 148.873

Protanomaly
47, 24.447, 124.787

Deuteranomaly
46, 18.414, 117.281

Tritanomaly
47, 19.426, 179.433

Monochromacy



Original Color
47, 35.922, 148.873

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 13.995, 151.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 35.922, 148.873 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(62, 124, 79)` looks like.

```
.text, #text, p{  
    color:rgb(62, 124, 79)  
}
```

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(62, 124, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 124, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 35.922, 148.873 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(62, 124, 79) }
```

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

```
.border{ border-color:rgb(62, 124, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 124, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 124, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 124, 79);  
box-shadow:4px 4px 4px 4px rgb(62, 124,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 35.922, 148.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 124, 79) }
```

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

```
.background{ background-color: rgb(62, 124,  
79) }
```

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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