

Converting Colors

CIELCh(47, 28.961, 141.984)

Have a look what the booklet for
CIELCh(47, 28.961, 141.984)
contains.

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Color

CIELCh(47, 28.735, 142.205)

Conversions

Conversions Part 1

Format	Color
Hex	517951
RGB	81, 121, 81
RGB Percent	32%, 47%, 32%
CMY	0.6823, 0.5255, 0.6823
CMYK	0.33, 0.00, 0.33, 0.53
HSL	120°, 20%, 40%
HSV	120°, 33%, 47%
XYZ	11.7170, 16.0195, 10.2600
YIQ	104.4800, -11.0000, -20.9200

Conversions

Conversions Part 2

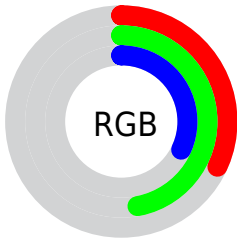
Format	Color
R_{YB}	81, 121, 121
Decimal	5339473
CIE _{Lab}	47.00, -22.71, 17.61
CIE _{LCh}	47, 28.735, 142.205
Yxy	16.0195, 0.3084, 0.4216
Android (android.graphics.Color)	4283529553 (0xFF517951)
YUV	104.4800, -11.5756, -20.5920
Hunter-Lab	40.0243, -17.7873, 12.8183

Details

The CIELCh color $47, 28.735, 142.205$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $40, 28.725, 326.147$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 28.741, 142.255$, and $27, 28.644, 142.555$ is the 20% darker color. If you saturate the color by 10%, you get $46, 37.155, 141.291$, and if you desaturate by 10%, it is $48, 20.075, 143.008$.

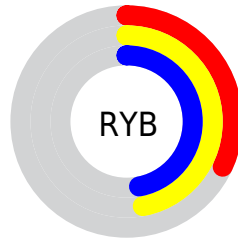
Distribution



Red (32%)

Green (47%)

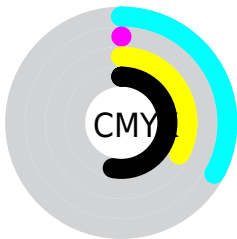
Blue (32%)



Red (32%)

Yellow (47%)

Blue (47%)

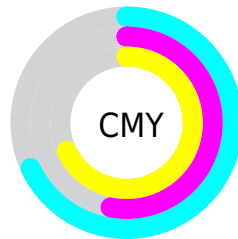


Cyan (33%)

Magenta (0%)

Yellow (33%)

Black (53%)



Cyan (68%)


Magenta (53%)

Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 28.735, 142.205 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, 28.735, 142.205 by changing the saturation by 10% instead.

 47, 28.735,
142.205


 47, 28.735,
142.205


 100, 28.735,
142.205


 37, 28.735,
142.205

 67, 28.735,
142.205


 27, 28.735,
142.205

 77, 28.735,
142.205

 17, 28.735,
142.205

 87, 28.735,
142.205

 7, 28.735, 142.205

 97, 28.735,
142.205

 0, 28.735, 142.205

 47, 28.735,

 47, 28.735,

142.205

142.205

■ 46, 37.155,
141.291

■ 48, 20.075,
143.008

■ 45, 45.128,
140.276

■ 49, 11.333,
143.705

■ 45, 52.403,
139.196

■ 50, 2.632, 144.347

■ 44, 58.684,
138.122

■ 52, 5.940, 324.753

■ 44, 63.648,
137.167

■ 53, 14.321,
325.198

■ 44, 67.031,
136.456

■ 55, 22.475,
325.567

■ 44, 69.006,
136.016

■ 57, 30.379,
325.880

■ 58, 38.024,
326.147

■ 60, 45.410,
326.376

Harmonies

Complementary

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



47, 28.735, 142.205



40, 28.725, 326.147

Rectangle

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



47, 28.735, 142.205



47, 28.735, 192.205



47, 28.735, 322.205



47, 28.735, 12.205

Sweetspot

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



47, 28.736, 142.205



64, 10.785, 143.885



50, 23.015, 107.129



33, 7.322, 143.813



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 28.736, 142.205



60, 43.048, 141.488



47, 19.789, 160.690



25, 4.922, 143.958



45, 70.614, 136.016



87, 118.869, 136.016

Inverse Universe

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



40, 28.725, 326.147



49, 42.970, 326.533



39, 20.570, 346.620



24, 4.930, 324.894



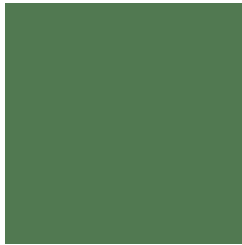
29, 68.130, 328.234



60, 114.687, 328.234

Previews

White Background



This preview shows how the CIELCh color 47, 28.735, 142.205 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, 28.735, 142.205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

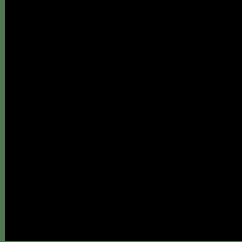
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 28.735, 142.205

Background



This preview shows how black text looks on a background with the CIELCh color 47, 28.735, 142.205.



This preview shows how white text looks on a background with the CIELCh color 47, 28.735, 142.205.

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, 28.735, 142.205

Protanopia

47, 20.334, 95.788

Deuteranopia

47, 17.398, 67.783



Tritanopia
47, 11.078, 227.381

Trichromacy



Original Color
47, 28.735, 142.205

Protanomaly
47, 21.905, 117.707

Deuteranomaly
46, 16.461, 104.779

Tritanomaly
47, 13.601, 174.783

Monochromacy



Original Color
47, 28.735, 142.205

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 10.211, 143.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 28.735, 142.205 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(81, 121, 81)` looks like.

```
.text, #text, p{  
    color:rgb(81, 121, 81)  
}
```

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(81, 121, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 121, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 28.735, 142.205 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(81, 121, 81) }
```

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

```
.border{ border-color:rgb(81, 121, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 121, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 121, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 121, 81);  
box-shadow:4px 4px 4px 4px rgb(81, 121,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 28.735, 142.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 121, 81) }
```

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

```
.background{ background-color: rgb(81, 121,  
81) }
```

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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