

Converting Colors

CIELCh(47, 28.987, 149.836)

Have a look what the booklet for
CIELCh(47, 28.987, 149.836)
contains.

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Color

CIELCh(47, 28.961, 149.672)

Conversions

Conversions Part 1

Format	Color
Hex	497A56
RGB	73, 122, 86
RGB Percent	29%, 48%, 34%
CMY	0.7136, 0.5214, 0.6626
CMYK	0.40, 0.00, 0.30, 0.52
HSL	136°, 25%, 38%
HSV	136°, 40%, 48%
XYZ	11.3963, 16.0195, 11.3034
YIQ	103.2450, -17.6480, -21.5840

Conversions

Conversions Part 2

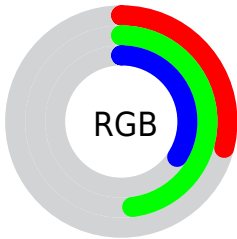
Format	Color
RYB	73, 112, 122
Decimal	4815446
CIELab	47.00, -25.00, 14.62
CIELCh	47, 28.961, 149.672
Yxy	16.0195, 0.2943, 0.4137
Android (android.graphics.Color)	4283005526 (0xFF497A56)
YUV	103.2450, -8.5018, -26.5249
Hunter-Lab	40.0243, -19.2173, 11.2727

Details

The CIELCh color $47, 28.961, 149.672$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $38, 29.192, 335.648$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 29.014, 149.583$, and $27, 29.237, 149.144$ is the 20% darker color. If you saturate the color by 10%, you get $46, 35.807, 148.541$, and if you desaturate by 10%, it is $48, 21.859, 150.659$.

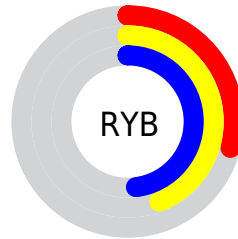
Distribution



Red (29%)

Green (48%)

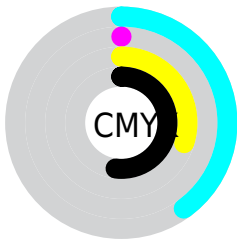
Blue (34%)



Red (29%)

Yellow (44%)

Blue (48%)

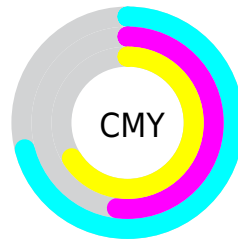


Cyan (40%)

Magenta (0%)

Yellow (30%)

Black (52%)



Cyan (71%)

Magenta (52%)

Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 28.961, 149.672 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, 28.961, 149.672 by changing the saturation by 10% instead.

 47, 28.961,
149.672


 47, 28.961,
149.672

 100, 28.961,
149.672

 37, 28.961,
149.672

 67, 28.961,
149.672

 27, 28.961,
149.672

 77, 28.961,
149.672

 17, 28.961,
149.672

 87, 28.961,
149.672

 7, 28.961, 149.672

 97, 28.961,
149.672

 0, 28.961, 149.672

 47, 28.961,

 47, 28.961,

149.672

149.672

■ 46, 35.807,
148.541

■ 48, 21.859,
150.659

■ 46, 42.262,
147.252

■ 49, 14.617,
151.522

■ 45, 48.195,
145.800

■ 50, 7.338, 152.285

■ 45, 53.482,
144.193

■ 51, 0.104, 155.105

■ 53, 7.024, 333.453

■ 44, 58.024,
142.467

■ 54, 14.001,
333.980

■ 44, 61.857,
140.874

■ 55, 20.798,
334.440

■ 57, 27.396,
334.851

■ 59, 33.786,

Harmonies

Complementary

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



47, 28.961, 149.672



38, 29.192, 335.648

Rectangle

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



47, 28.961, 149.672



47, 28.961, 199.672



47, 28.961, 329.672



47, 28.961, 19.672

Sweetspot

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



47, 28.962, 149.672



63, 10.732, 152.128



49, 28.553, 117.506



32, 7.083, 152.056



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, 28.962, 149.672



59, 42.410, 148.661



48, 19.728, 175.675



25, 4.078, 152.364



45, 62.986, 140.824



87, 108.669, 139.767

Inverse Universe

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



38, 29.192, 335.648



46, 42.632, 336.353



37, 22.653, 4.189



24, 4.096, 333.455



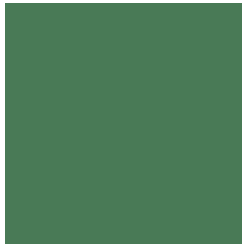
27, 56.015, 341.806



56, 93.409, 342.756

Previews

White Background



This preview shows how the CIELCh color 47, 28.961, 149.672 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, 28.961, 149.672 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, 28.961, 149.672

Background



This preview shows how black text looks on a background with the CIELCh color 47, 28.961, 149.672.



This preview shows how white text looks on a background with the CIELCh color 47, 28.961, 149.672.

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, 28.961, 149.672

Protanopia

47, 17.969, 96.170

Deuteranopia

47, 14.572, 66.392



Tritanopia
47, 13.415, 221.756

Trichromacy



Original Color
47, 28.961, 149.672

Protanomaly
47, 19.562, 124.403

Deuteranomaly
46, 14.166, 113.502

Tritanomaly
47, 15.908, 180.253

Monochromacy



Original Color
47, 28.961, 149.672

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 10.788, 152.309

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 28.961, 149.672 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(73, 122, 86)` looks like.

```
.text, #text, p{  
    color:rgb(73, 122, 86)  
}
```

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(73, 122, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 122, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 28.961, 149.672 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(73, 122, 86) }
```

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

```
.border{ border-color:rgb(73, 122, 86) }
```

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

Here you see how a box with a 4 pixel rgb(73, 122, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 122, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 122, 86);  
box-shadow:4px 4px 4px 4px rgb(73, 122,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 28.961, 149.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 122, 86) }
```

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

```
.background{ background-color: rgb(73, 122,  
86) }
```

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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