

Converting Colors

CIELCh(46, 29.820, 147.202)

Have a look what the booklet for
CIELCh(46, 29.820, 147.202)
contains.

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Color

CIELCh(46, 29.507, 147.197)

Conversions

Conversions Part 1

Format	Color
Hex	487751
RGB	72, 119, 81
RGB Percent	28%, 47%, 32%
CMY	0.7163, 0.5319, 0.6810
CMYK	0.39, 0.00, 0.32, 0.53
HSL	131°, 25%, 38%
HSV	131°, 39%, 47%
XYZ	10.8353, 15.2687, 10.2263
YIQ	100.6150, -15.8140, -21.7820

Conversions

Conversions Part 2

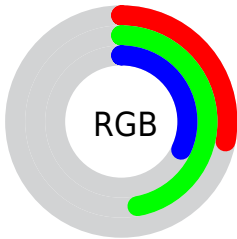
Format	Color
R_{YB}	72, 111, 119
Decimal	4749137
CIE _{Lab}	46.00, -24.80, 15.99
CIE _{LCh}	46, 29.507, 147.197
Yxy	15.2687, 0.2982, 0.4203
Android (android.graphics.Color)	4282939217 (0xFF487751)
YUV	100.6150, -9.6702, -25.0954
Hunter-Lab	39.0751, -18.8847, 11.8358

Details

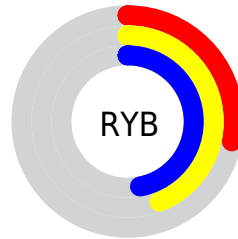
The CIELCh color $46, 29.507, 147.197$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $37, 29.593, 332.646$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 29.492, 147.220$, and $26, 29.406, 147.347$ is the 20% darker color. If you saturate the color by 10%, you get $45, 36.647, 146.119$, and if you desaturate by 10%, it is $47, 22.110, 148.137$.

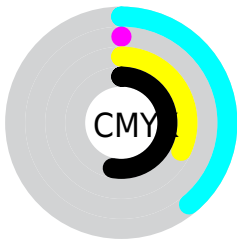
Distribution



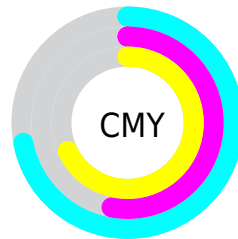
- Red (28%)
- Green (47%)
- Blue (32%)



- Red (28%)
- Yellow (44%)
- Blue (47%)



- Cyan (39%)
- Magenta (0%)
- Yellow (32%)
- Black (53%)




- Cyan (72%)
- Magenta (53%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 29.507, 147.197 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 46, 29.507, 147.197 by changing the saturation by 10% instead.


 46, 29.507,
147.197


 46, 29.507,
147.197


 100, 29.507,
147.197


 36, 29.507,
147.197

 66, 29.507,
147.197


 26, 29.507,
147.197

 76, 29.507,
147.197

 16, 29.507,
147.197

 86, 29.507,
147.197

 6, 29.507, 147.197

 96, 29.507,
147.197

 0, 29.507, 147.197

 46, 29.507,

 46, 29.507,

147.197

147.197

■ 45, 36.647,
146.119

■ 47, 22.110,
148.137

■ 45, 43.380,
144.895

■ 48, 14.582,
148.956

■ 44, 49.552,
143.528

■ 49, 7.030, 149.676

■ 44, 55.006,
142.042

■ 50, 0.461, 329.802

■ 52, 7.828, 330.764

■ 43, 59.598,
140.491

■ 53, 15.029,
331.243

■ 43, 63.344,
139.104

■ 55, 22.034,
331.658

■ 43, 63.552,
139.036

■ 56, 28.828,
332.024

■ 58, 35.404,

Harmonies

Complementary

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



46, 29.507, 147.197



37, 29.593, 332.646

Rectangle

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



46, 29.507, 147.197



46, 29.507, 197.197



46, 29.507, 327.197



46, 29.507, 17.197

Sweetspot

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



46, 29.508, 147.197



62, 11.180, 149.474



48, 27.273, 114.713



32, 7.477, 149.404



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



46, 29.508, 147.197



58, 43.382, 146.257



47, 20.006, 170.969



24, 4.154, 149.701



44, 64.781, 138.989



86, 112.218, 138.083

Inverse Universe

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



37, 29.593, 332.646



46, 43.370, 333.228



37, 22.230, 359.228



23, 4.166, 330.722



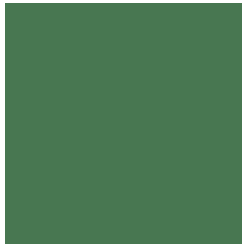
27, 58.151, 337.232



57, 97.836, 337.841

Previews

White Background



This preview shows how the CIE LCh color 46, 29.507, 147.197 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 CIELCh color 46, 29.507, 147.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

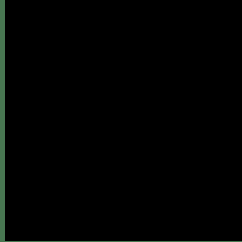
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 29.507, 147.197

Background



This preview shows how black text looks on a background with the CIELCh color 46, 29.507, 147.197.



This preview shows how white text looks on a background with the CIELCh color 46, 29.507, 147.197.

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


46, 29.507, 147.197

Protanopia

46, 18.723, 94.960

Deuteranopia

46, 15.439, 66.430



Tritanopia
46, 12.855, 223.006

Trichromacy



Original Color
46, 29.507, 147.197

Protanomaly
46, 19.958, 121.508

Deuteranomaly
46, 15.371, 112.936

Tritanomaly
46, 15.315, 179.514

Monochromacy



Original Color
46, 29.507, 147.197

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 11.008, 148.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 29.507, 147.197 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(72, 119, 81)` looks like.

```
.text, #text, p{  
    color:rgb(72, 119, 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(72, 119, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 119, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 29.507, 147.197 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(72, 119, 81) }
```

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

```
.border{ border-color:rgb(72, 119, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 119, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 119, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 119, 81);  
box-shadow:4px 4px 4px 4px rgb(72, 119,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 29.507, 147.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 119, 81) }
```

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

```
.background{ background-color: rgb(72, 119,  
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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