

Converting Colors

CIELCh(46, 31.636, 148.196)

Have a look what the booklet for
CIELCh(46, 31.636, 148.196)
contains.

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Color

CIELCh(46, 31.562, 148.116)

Conversions

Conversions Part 1

Format	Color
Hex	447850
RGB	68, 120, 80
RGB Percent	27%, 47%, 31%
CMY	0.7330, 0.5290, 0.6859
CMYK	0.43, 0.00, 0.33, 0.53
HSL	134°, 28%, 37%
HSV	134°, 43%, 47%
XYZ	10.5696, 15.2687, 9.9967
YIQ	99.8920, -18.1520, -23.4640

Conversions

Conversions Part 2

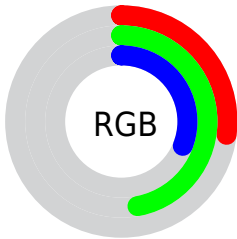
Format	Color
RYB	68, 110, 120
Decimal	4487248
CIELab	46.00, -26.80, 16.67
CIElCh	46, 31.562, 148.116
Yxy	15.2687, 0.2950, 0.4261
Android (android.graphics.Color)	4282677328 (0xFF447850)
YUV	99.8920, -9.8068, -27.9693
Hunter-Lab	39.0751, -20.0985, 12.1842

Details

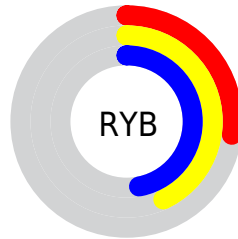
The CIELCh color **46, 31.562, 148.116** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **36, 31.702, 334.451**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 31.930, 147.681**, and **26, 31.592, 148.179** is the 20% darker color. If you saturate the color by 10%, you get **45, 38.394, 146.958**, and if you desaturate by 10%, it is **47, 24.429, 149.128**.

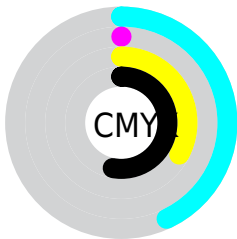
Distribution



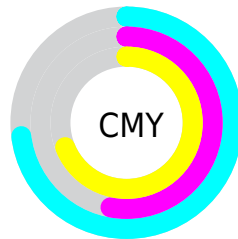
- Red (27%)
- Green (47%)
- Blue (31%)



- Red (27%)
- Yellow (43%)
- Blue (47%)



- Cyan (43%)
- Magenta (0%)
- Yellow (33%)
- Black (53%)





- Cyan (73%)
- Magenta (53%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 31.562, 148.116 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, 31.562, 148.116 by changing the saturation by 10% instead.


 46, 31.562,
148.116


 46, 31.562,
148.116


 100, 31.562,
148.116


 36, 31.562,
148.116

 66, 31.562,
148.116


 26, 31.562,
148.116

 76, 31.562,
148.116

 16, 31.562,
148.116


 86, 31.562,
148.116

 6, 31.562, 148.116

 96, 31.562,
148.116

 0, 31.562, 148.116

 46, 31.562,

 46, 31.562,

148.116

■ 45, 38.394,
146.958

■ 45, 44.783,
145.646

■ 44, 50.587,
144.181

■ 44, 55.676,
142.589

■ 44, 59.944,
140.929

■ 44, 62.447,
139.971

148.116

■ 47, 24.429,
149.128

■ 48, 17.120,
150.009

■ 49, 9.748, 150.782

■ 50, 2.402, 151.515

■ 51, 4.850, 331.960

■ 53, 11.957,
332.497

■ 54, 18.886,
332.955

■ 56, 25.616,
333.360

■ 57, 32.137,

333.721

Harmonies

Complementary

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



46, 31.562, 148.116



36, 31.702, 334.451

Rectangle

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



46, 31.562, 148.116



46, 31.562, 198.116



46, 31.562, 328.116



46, 31.562, 18.116

Sweetspot

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



46, 31.563, 148.116



62, 11.774, 150.781



48, 30.145, 115.909



32, 8.310, 150.644



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, 31.563, 148.116



58, 46.293, 146.962



47, 21.359, 172.859



25, 4.183, 151.083



45, 64.369, 139.891



87, 110.881, 138.911

Inverse Universe

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



36, 31.702, 334.451



44, 46.267, 335.186



36, 24.380, 2.251



24, 4.198, 332.144



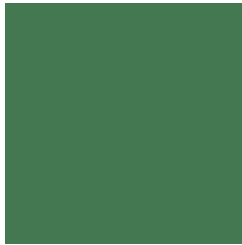
27, 57.360, 339.600



57, 95.728, 340.374

Previews

White Background



This preview shows how the CIELCh color 46, 31.562, 148.116 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, 31.562, 148.116 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, 31.562, 148.116

Background



This preview shows how black text looks on a background with the CIELCh color 46, 31.562, 148.116.



This preview shows how white text looks on a background with the CIELCh color 46, 31.562, 148.116.

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, 31.562, 148.116

Protanopia

46, 19.860, 95.467

Deuteranopia

46, 15.904, 67.708



Tritanopia
46, 14.002, 220.722

Trichromacy



Original Color
46, 31.562, 148.116

Protanomaly
45, 21.310, 122.905

Deuteranomaly
45, 15.998, 114.248

Tritanomaly
46, 17.120, 179.205

Monochromacy



Original Color
46, 31.562, 148.116

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 11.572, 151.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 31.562, 148.116 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(68, 120, 80)` looks like.

```
.text, #text, p{  
    color:rgb(68, 120, 80)  
}
```

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(68, 120, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 120, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 31.562, 148.116 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(68, 120, 80) }
```

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

```
.border{ border-color:rgb(68, 120, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 120, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 120, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 120, 80);  
box-shadow:4px 4px 4px 4px rgb(68, 120,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 31.562, 148.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 120, 80) }
```

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

```
.background{ background-color: rgb(68, 120,  
80) }
```

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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