

Converting Colors

CIELCh(46, 31.378, 155.878)

Have a look what the booklet for
CIELCh(46, 31.378, 155.878)
contains.

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Color

CIELCh(46, 31.199, 156.126)

Conversions

Conversions Part 1

Format	Color
Hex	3B7957
RGB	59, 121, 87
RGB Percent	23%, 47%, 34%
CMY	0.7689, 0.5258, 0.6591
CMYK	0.51, 0.00, 0.28, 0.53
HSL	147°, 34%, 35%
HSV	147°, 51%, 47%
XYZ	10.3431, 15.2687, 11.4021
YIQ	98.5860, -26.0380, -23.7180

Conversions

Conversions Part 2

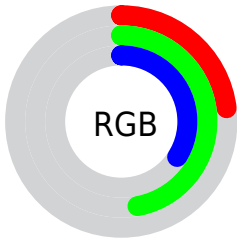
Format	Color
RYB	59, 102, 121
Decimal	3897687
CIELab	46.00, -28.53, 12.63
CIElCh	46, 31.199, 156.126
Yxy	15.2687, 0.2794, 0.4125
Android (android.graphics.Color)	4282087767 (0xFF3B7957)
YUV	98.5860, -5.7119, -34.7169
Hunter-Lab	39.0751, -21.1330, 10.0519

Details

The CIELCh color **46, 31.199, 156.126** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **34, 32.435, 345.991**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 31.160, 155.974**, and **26, 31.585, 155.560** is the 20% darker color. If you saturate the color by 10%, you get **45, 36.571, 154.730**, and if you desaturate by 10%, it is **47, 25.465, 157.359**.

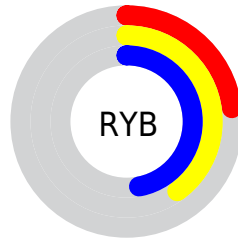
Distribution



Red (23%)

Green (47%)

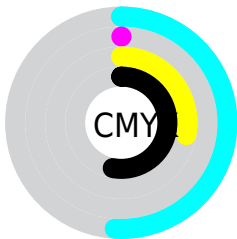
Blue (34%)



Red (23%)

Yellow (40%)

Blue (47%)

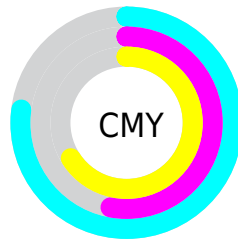


Cyan (51%)

Magenta (0%)

Yellow (28%)

Black (53%)



Cyan (77%)


Magenta (53%)


Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 31.199, 156.126 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, 31.199, 156.126 by changing the saturation by 10% instead.


 46, 31.199,
156.126


 46, 31.199,
156.126


 100, 31.199,
156.126


 36, 31.199,
156.126

 66, 31.199,
156.126


 26, 31.199,
156.126

 76, 31.199,
156.126

 16, 31.199,
156.126

 86, 31.199,
156.126

 6, 31.199, 156.126

 96, 31.199,
156.126

 0, 31.199, 156.126

 46, 31.199,

 46, 31.199,

156.126

■ 45, 36.571,
154.730

■ 45, 41.488,
153.153

■ 45, 45.881,
151.384

■ 44, 49.717,
149.428

■ 44, 52.781,
147.752

156.126

■ 47, 25.465,
157.359

■ 48, 19.465,
158.450

■ 48, 13.297,
159.423

■ 49, 7.048, 160.304

■ 51, 0.790, 161.382

■ 52, 5.417, 341.696

■ 53, 11.529,
342.364

■ 55, 17.514,
342.962

■ 56, 23.351,

Harmonies

Complementary

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



46, 31.199, 156.126



34, 32.435, 345.991

Rectangle

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



46, 31.199, 156.126



46, 31.199, 206.126



46, 31.199, 336.126



46, 31.199, 26.126

Sweetspot

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



46, 31.200, 156.126



63, 11.682, 159.951



47, 37.287, 124.979



32, 7.926, 159.803



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, 31.200, 156.126



58, 45.844, 154.387



47, 21.237, 192.123



25, 3.554, 160.490



46, 54.134, 147.668



88, 93.665, 146.375

Inverse Universe

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



34, 32.435, 345.991



41, 47.483, 347.730



33, 29.303, 21.306



24, 3.589, 341.779



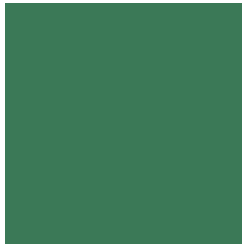
26, 50.774, 356.151



55, 84.842, 358.289

Previews

White Background



This preview shows how the CIELCh color 46, 31.199, 156.126 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, 31.199, 156.126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

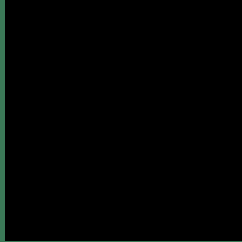
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 31.199, 156.126

Background



This preview shows how black text looks on a background with the CIELCh color 46, 31.199, 156.126.



This preview shows how white text looks on a background with the CIELCh color 46, 31.199, 156.126.

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, 31.199, 156.126

Protanopia

46, 16.338, 95.201

Deuteranopia

46, 12.148, 59.262



Tritanopia
46, 16.755, 216.570

Trichromacy



Original Color
46, 31.199, 156.126

Protanomaly
45, 19.313, 131.355

Deuteranomaly
45, 12.465, 126.497

Tritanomaly
46, 19.580, 184.890

Monochromacy



Original Color
46, 31.199, 156.126

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 11.907, 160.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 31.199, 156.126 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(59, 121, 87)` looks like.

```
.text, #text, p{  
    color:rgb(59, 121, 87)  
}
```

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(59, 121, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 121, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 31.199, 156.126 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(59, 121, 87) }
```

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

```
.border{ border-color:rgb(59, 121, 87) }
```

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

Here you see how a box with a 4 pixel rgb(59, 121, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 121, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 121, 87);  
box-shadow:4px 4px 4px 4px rgb(59, 121,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 31.199, 156.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 121, 87) }
```

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

```
.background{ background-color: rgb(59, 121,  
87) }
```

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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