

Converting Colors

CIELCh(31, 30.565, 116.711)

Have a look what the booklet for
CIELCh(31, 30.565, 116.711)
contains.

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Color

CIELCh(31, 30.625, 116.943)

Conversions

Conversions Part 1

Format	Color
Hex	414E1C
RGB	65, 78, 28
RGB Percent	25%, 31%, 11%
CMY	0.7452, 0.6942, 0.8903
CMYK	0.17, 0.00, 0.64, 0.69
HSL	76°, 47%, 21%
HSV	76°, 64%, 31%
XYZ	5.1099, 6.6515, 2.1116
YIQ	68.4130, 8.3020, -18.3060

Conversions

Conversions Part 2

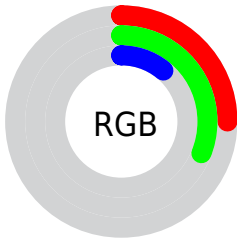
Format	Color
RYB	28, 78, 41
Decimal	4279836
CIELab	31.00, -13.88, 27.30
CIElCh	31, 30.625, 116.943
Yxy	6.6515, 0.3683, 0.4795
Android (android.graphics.Color)	4282469916 (0xFF414E1C)
YUV	68.4130, -19.9236, -2.9932
Hunter-Lab	25.7905, -9.7670, 13.1990

Details

The CIELCh color **31, 30.625, 116.943** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **15, 35.264, 305.282**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 30.587, 117.208**, and **11, 21.039, 128.643** is the 20% darker color. If you saturate the color by 10%, you get **31, 34.548, 116.684**, and if you desaturate by 10%, it is **31, 26.291, 117.349**.

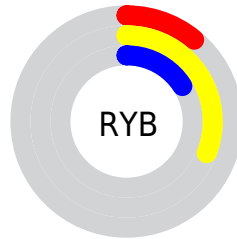
Distribution



Red (25%)

Green (31%)

Blue (11%)



Red (11%)

Yellow (31%)

Blue (16%)

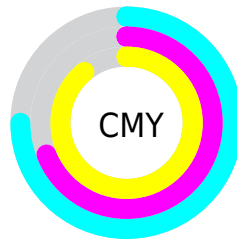


Cyan (17%)

Magenta (0%)

Yellow (64%)

Black (69%)



Cyan (75%)


Magenta (69%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 30.625, 116.943 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 31, 30.625, 116.943 by changing the saturation by 10% instead.


 31, 30.625,
116.943


 31, 30.625,
116.943

 100, 30.625,
116.943


 21, 30.625,
116.943

 51, 30.625,
116.943


 11, 30.625,
116.943


 61, 30.625,
116.943

 1, 30.625, 116.943

 71, 30.625,
116.943

 0, 30.625, 116.943

 81, 30.625,
116.943

 91, 30.625,
116.943

■ 31, 30.625,
116.943

■ 31, 30.625,
116.943

■ 31, 34.548,
116.684

■ 31, 26.291,
117.349

■ 31, 37.883,
116.636

■ 32, 21.681,
117.842

■ 30, 40.734,
116.742

■ 32, 16.894,
118.385

■ 30, 42.548,
116.702

■ 32, 11.997,
118.948

■ 33, 7.039, 119.515

■ 33, 2.053, 120.076

■ 33, 2.939, 300.599

■ 34, 7.917, 301.115

■ 34, 12.870,

Harmonies

Complementary

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



31, 30.625, 116.943



15, 35.264, 305.282

Rectangle

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



31, 30.625, 116.943



31, 30.625, 166.943



31, 30.625, 296.943



31, 30.625, 346.943

Sweetspot

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



31, 30.626, 116.945



42, 11.816, 119.199



21, 22.567, 44.491



21, 8.027, 119.110



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 30.626, 116.945



40, 44.003, 116.625



29, 34.872, 134.124



15, 2.738, 119.823



40, 51.348, 117.164



84, 93.382, 118.076

Inverse Universe

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



15, 35.264, 305.282



16, 53.072, 306.708



18, 35.914, 319.602



14, 2.785, 300.780



10, 66.262, 308.328



31, 120.883, 307.733

Previews

White Background



This preview shows how the CIELCh color 31, 30.625, 116.943 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 31, 30.625, 116.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

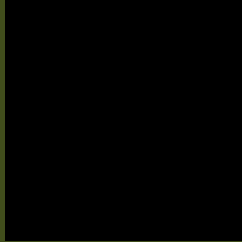
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 30.625, 116.943

Background



This preview shows how black text looks on a background with the CIELCh color 31, 30.625, 116.943.



This preview shows how white text looks on a background with the CIELCh color 31, 30.625, 116.943.

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

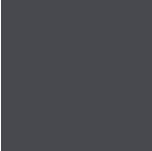
31, 30.625, 116.943

Protanopia

31, 28.257, 96.505

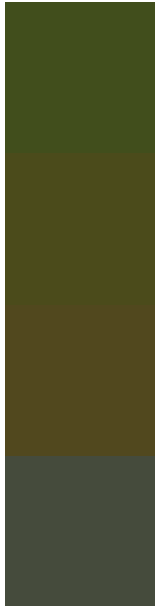
Deuteranopia

31, 26.306, 81.044



Tritanopia
31, 3.898, 278.389

Trichromacy



Original Color
31, 30.625, 116.943

Protanomaly
31, 28.904, 104.824

Deuteranomaly
31, 26.241, 95.096

Tritanomaly
31, 9.883, 124.608

Monochromacy



Original Color
31, 30.625, 116.943

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 12.280, 118.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 30.625, 116.943 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(65, 78, 28)` looks like.

```
.text, #text, p{  
    color:rgb(65, 78, 28)  
}
```

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(65, 78, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 78, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 30.625, 116.943 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(65, 78, 28) }
```

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

```
.border{ border-color:rgb(65, 78, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 78, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 78, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 78, 28);  
box-shadow:4px 4px 4px 4px rgb(65, 78, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 30.625, 116.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 78, 28) }
```

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

```
.background{ background-color: rgb(65, 78,  
28) }
```

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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