

Converting Colors

CIELCh(31, 31.774, 142.256)

Have a look what the booklet for
CIELCh(31, 31.774, 142.256)
contains.

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Color

CIELCh(31, 31.774, 142.256)

Conversions

Conversions Part 1

Format	Color
Hex	265229
RGB	38, 82, 41
RGB Percent	15%, 32%, 16%
CMY	0.8500, 0.6774, 0.8383
CMYK	0.53, 0.00, 0.50, 0.68
HSL	124°, 37%, 24%
HSV	124°, 53%, 32%
XYZ	4.2495, 6.6515, 3.1790
YIQ	64.1700, -13.0630, -22.0790

Conversions

Conversions Part 2

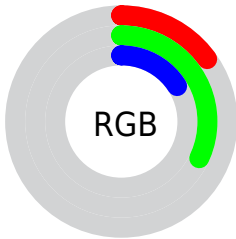
Format	Color
R_{YB}	38, 79, 82
Decimal	2511401
CIE _{Lab}	31.00, -25.13, 19.45
CIE _{LCh}	31, 31.774, 142.256
Yxy	6.6515, 0.3018, 0.4724
Android (android.graphics.Color)	4280701481 (0xFF265229)
YUV	64.1700, -11.4228, -22.9511
Hunter-Lab	25.7905, -15.7221, 10.7452

Details

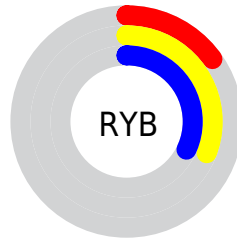
The CIELCh color **31, 31.774, 142.256** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **23, 31.596, 329.037**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 31.805, 142.089**, and **11, 27.694, 143.266** is the 20% darker color. If you saturate the color by 10%, you get **31, 37.042, 141.166**, and if you desaturate by 10%, it is **32, 26.126, 143.247**.

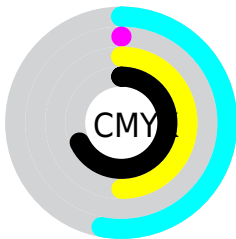
Distribution



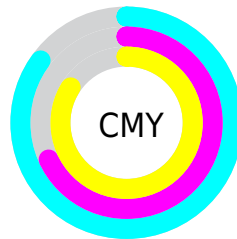
- Red (15%)
- Green (32%)
- Blue (16%)



- Red (15%)
- Yellow (31%)
- Blue (32%)



- Cyan (53%)
- Magenta (0%)
- Yellow (50%)
- Black (68%)





- Cyan (85%)
- Magenta (68%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 31.774, 142.256 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, 31.774, 142.256 by changing the saturation by 10% instead.


 31, 31.774,
142.256


 31, 31.774,
142.256

 100, 31.774,
142.256


 21, 31.774,
142.256

 51, 31.774,
142.256


 11, 31.774,
142.256


 61, 31.774,
142.256

 1, 31.774, 142.256

 71, 31.774,
142.256

 0, 31.774, 142.256

 81, 31.774,
142.256

 91, 31.774,
142.256

■ 31, 31.774,
142.256

■ 31, 31.774,
142.256

■ 31, 37.042,
141.166

■ 32, 26.126,
143.247

■ 30, 41.777,
140.008

■ 32, 20.231,
144.127

■ 30, 45.814,
138.844

■ 33, 14.201,
144.899

■ 30, 49.044,
137.842

■ 34, 8.129, 145.573

■ 30, 50.942,
137.375

■ 35, 2.088, 146.201

■ 36, 3.871, 326.592

■ 37, 9.707, 327.044

■ 38, 15.398,
327.421

■ 39, 20.926,

Harmonies

Complementary

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



31, 31.774, 142.256



23, 31.596, 329.037

Rectangle

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



31, 31.774, 142.256



31, 31.774, 192.256



31, 31.774, 322.256



31, 31.774, 12.256

Sweetspot

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



31, 31.775, 142.256



43, 12.006, 145.376



34, 26.587, 108.675



21, 8.014, 145.305



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 31.775, 142.256



40, 46.144, 140.853



31, 21.480, 162.178



16, 3.335, 145.869



38, 60.622, 137.070



81, 110.354, 136.452

Inverse Universe

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



23, 31.596, 329.037



28, 45.475, 329.617



22, 23.232, 353.079



15, 3.342, 326.734



23, 57.060, 330.963



54, 101.969, 331.167

Previews

White Background



This preview shows how the CIELCh color 31, 31.774, 142.256 looks on a white background.

Color Contrast Check

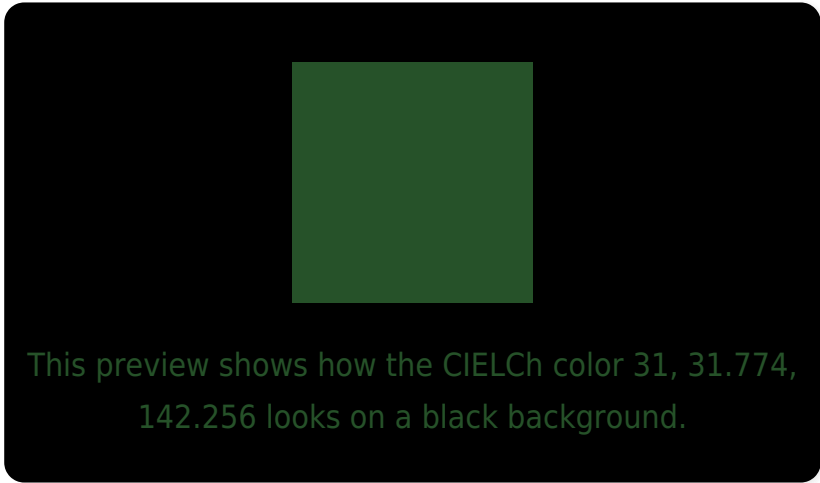
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

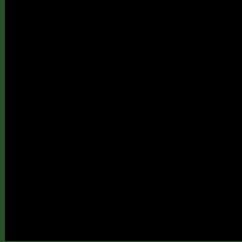
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 31.774, 142.256

Background



This preview shows how black text looks on a background with the CIELCh color 31, 31.774, 142.256.



This preview shows how white text looks on a background with the CIELCh color 31, 31.774, 142.256.

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, 31.774, 142.256

Protanopia

31, 22.054, 96.860

Deuteranopia

31, 18.693, 76.324



Tritanopia
31, 11.719, 217.091

Trichromacy



Original Color
31, 31.774, 142.256

Protanomaly
30, 23.469, 119.180

Deuteranomaly
30, 19.434, 112.344

Tritanomaly
31, 16.528, 169.440

Monochromacy



Original Color
31, 31.774, 142.256

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 12.095, 144.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 31.774, 142.256 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(38, 82, 41)` looks like.

```
.text, #text, p{  
    color:rgb(38, 82, 41)  
}
```

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(38, 82, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 82, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 31.774, 142.256 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(38, 82, 41) }
```

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

```
.border{ border-color:rgb(38, 82, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 82, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 82, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 82, 41);  
box-shadow:4px 4px 4px 4px rgb(38, 82, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 31.774, 142.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 82, 41) }
```

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

```
.background{ background-color: rgb(38, 82,  
41) }
```

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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