

Converting Colors

CIELCh(27, 31.543, 140.230)

Have a look what the booklet for
CIELCh(27, 31.543, 140.230)
contains.

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Color

CIELCh(27, 31.531, 140.262)

Conversions

Conversions Part 1

Format	Color
Hex	1F481F
RGB	31, 72, 31
RGB Percent	12%, 28%, 12%
CMY	0.8766, 0.7159, 0.8768
CMYK	0.57, 0.00, 0.57, 0.72
HSL	120°, 40%, 20%
HSV	120°, 57%, 28%
XYZ	3.1791, 5.0937, 2.1409
YIQ	55.0670, -11.2750, -21.4430

Conversions

Conversions Part 2

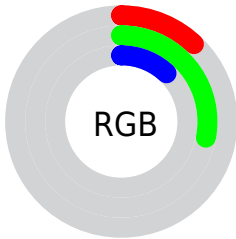
Format	Color
RYB	31, 72, 72
Decimal	2050079
CIELab	27.00, -24.25, 20.16
CIELCh	27, 31.531, 140.262
Yxy	5.0937, 0.3053, 0.4891
Android (android.graphics.Color)	4280240159 (0xFF1F481F)
YUV	55.0670, -11.8650, -21.1068
Hunter-Lab	22.5692, -14.3527, 10.1743




Details

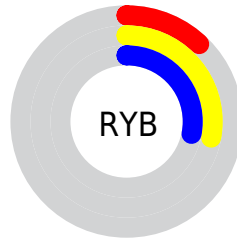
The CIELCh color **27, 31.531, 140.262** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **20, 31.357, 327.027**, and the grayscale version is **23, 0.004, 296.813**.




A 20% lighter version of the original color is **47, 31.589, 140.297**, and **8, 21.034, 144.425** is the 20% darker color. If you saturate the color by 10%, you get **27, 36.318, 139.257**, and if you desaturate by 10%, it is **27, 26.321, 141.211**.

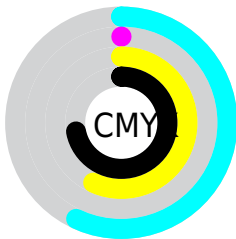
Distribution







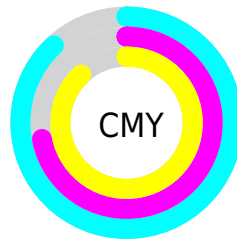
-  Red (12%)
-  Green (28%)
-  Blue (12%)






-  Red (12%)
-  Yellow (28%)
-  Blue (28%)



-  Cyan (57%)
-  Magenta (0%)
-  Yellow (57%)
-  Black (72%)





-  Cyan (88%)
-  Magenta (72%)
-  Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 31.531, 140.262 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 27, 31.531, 140.262 by changing the saturation by 10% instead.

 27, 31.531,
140.262


 27, 31.531,
140.262

 100, 31.531,
140.262


 17, 31.531,
140.262


 47, 31.531,
140.262


 7, 31.531, 140.262

 57, 31.531,
140.262

 0, 31.531, 140.262

 67, 31.531,
140.262

 77, 31.531,
140.262

 87, 31.531,
140.262

 97, 31.531,

140.262

■ 27, 31.531,
140.262

■ 27, 31.531,
140.262

■ 27, 36.318,
139.257

■ 27, 26.321,
141.211

■ 26, 40.512,
138.251

■ 28, 20.830,
142.072

■ 26, 43.928,
137.333

■ 29, 15.179,
142.837

■ 26, 47.089,
136.431

■ 29, 9.462, 143.507

■ 26, 48.178,
136.158

■ 30, 3.754, 144.104

■ 31, 1.890, 324.501

■ 32, 7.430, 324.977

■ 33, 12.839,
325.351

■ 34, 18.101,
325.670

Harmonies

Complementary

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



27, 31.531, 140.262



20, 31.357, 327.027

Rectangle

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



27, 31.531, 140.262



27, 31.531, 190.262



27, 31.531, 320.262



27, 31.531, 10.262

Sweetspot

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



27, 31.531, 140.262



38, 12.036, 143.443



30, 24.859, 104.629



19, 8.120, 143.388



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



27, 31.531, 140.262



35, 45.619, 138.848



27, 21.910, 157.447



14, 3.116, 143.991



36, 60.034, 136.005



79, 109.673, 136.012

Inverse Universe

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



20, 31.357, 327.027



24, 45.045, 327.515



19, 23.002, 348.091



13, 3.121, 324.801



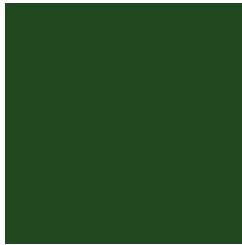
22, 57.935, 328.186



54, 105.828, 328.182

Previews

White Background



This preview shows how the CIELCh color 27, 31.531, 140.262 looks on a white background.

Color Contrast Check

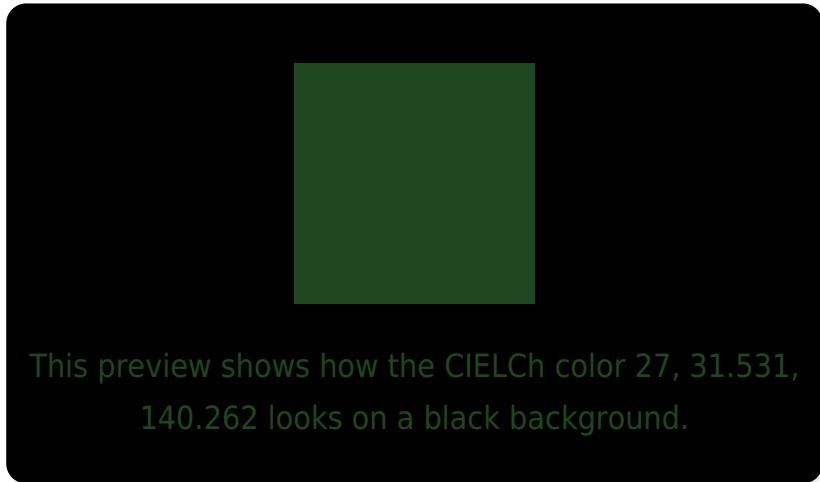
Large Text (above 18pt) WCAG AA ✓ Pass

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

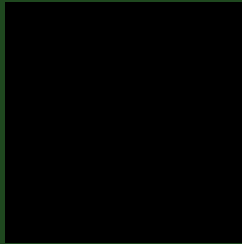
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 31.531, 140.262

Background



This preview shows how black text looks on a background with the CIELCh color 27, 31.531, 140.262.



This preview shows how white text looks on a background with the CIELCh color 27, 31.531, 140.262.

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](#).

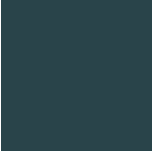
Dichromacy



Original Color
27, 31.531, 140.262

Protanopia
27, 22.398, 96.264

Deuteranopia
27, 19.113, 79.145



Tritanopia
27, 10.850, 219.213

Trichromacy



Original Color
27, 31.531, 140.262

Protanomaly
27, 23.694, 117.797

Deuteranomaly
26, 19.764, 112.030

Tritanomaly
27, 15.158, 168.775

Monochromacy



Original Color
27, 31.531, 140.262

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 12.105, 143.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 31.531, 140.262 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(31, 72, 31)` looks like.

```
.text, #text, p{  
    color:rgb(31, 72, 31)  
}
```

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(31, 72, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 72, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 31.531, 140.262 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(31, 72, 31) }
```

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

```
.border{ border-color:rgb(31, 72, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 72, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 72, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 72, 31);  
box-shadow:4px 4px 4px 4px rgb(31, 72, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 31.531, 140.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 72, 31) }
```

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

```
.background{ background-color: rgb(31, 72,  
31) }
```

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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