

Converting Colors

CIELCh(47, 68.417, 132.182)

Have a look what the booklet for
CIELCh(47, 68.417, 132.182)
contains.

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Color

CIELCh(47, 68.413, 132.181)

Conversions

Conversions Part 1

Format	Color
Hex	2A8000
RGB	42, 128, 0
RGB Percent	16%, 50%, 0%
CMY	0.8338, 0.4968, 0.9981
CMYK	0.67, 0.00, 1.00, 0.50
HSL	100°, 99%, 25%
HSV	100°, 100%, 50%
XYZ	8.7323, 16.0195, 2.6452
YIQ	87.6940, -10.1680, -58.0400

Conversions

Conversions Part 2

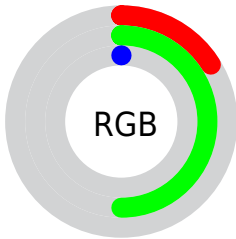
Format	Color
RYB	0, 128, 86
Decimal	2785280
CIELab	47.00, -45.94, 50.70
CIELCh	47, 68.413, 132.181
Yxy	16.0195, 0.3187, 0.5847
Android (android.graphics.Color)	4280975360 (0xFF2A8000)
YUV	87.6940, -43.2331, -40.0736
Hunter-Lab	40.0243, -31.0984, 24.0985

Details

The CIELCh color $47, 68.413, 132.181$ is a dark color, and the websafe version is hex 339933 , and the color name is [napier green](#). A complement of this color would be $22, 72.063, 316.813$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $67, 68.475, 132.161$, and $28, 50.313, 136.043$ is the 20% darker color. If you saturate the color by 10%, you get $47, 68.539, 132.190$, and if you desaturate by 10%, it is $47, 64.973, 131.783$.

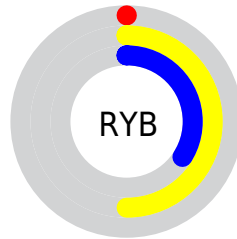
Distribution



Red (16%)

Green (50%)

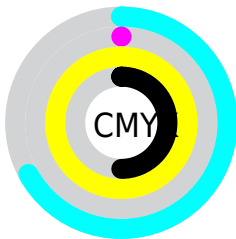
Blue (0%)



Red (0%)

Yellow (50%)

Blue (34%)

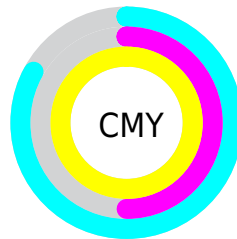


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (83%)


Magenta (50%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 68.413, 132.181 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 47, 68.413, 132.181 by changing the saturation by 10% instead.


 47, 68.413,
132.181


 47, 68.413,
132.181


 100, 68.413,
132.181


 37, 68.413,
132.181

 67, 68.413,
132.181


 27, 68.413,
132.181


 77, 68.413,
132.181

 17, 68.413,
132.181

 87, 68.413,
132.181

 7, 68.413, 132.181

 97, 68.413,
132.181

 0, 68.413, 132.181

 47, 68.413,

 47, 68.413,

132.181

132.181

■ 47, 68.539,
132.190

■ 47, 64.973,
131.783

■ 48, 60.454,
131.567

■ 48, 54.638,
131.688

■ 49, 47.853,
132.031

■ 49, 40.404,
132.495

■ 50, 32.531,
133.006

■ 51, 24.412,
133.520

■ 52, 16.174,
134.010

Harmonies

Complementary

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



47, 68.413, 132.181



22, 72.063, 316.813

Rectangle

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



47, 68.413, 132.181



47, 68.413, 182.181



47, 68.413, 312.181



47, 68.413, 2.181

Sweetspot

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



47, 68.413, 132.182



64, 30.466, 133.466



40, 49.503, 76.654



33, 20.928, 133.285



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 68.413, 132.182



60, 82.926, 132.504



46, 67.847, 138.430



26, 4.605, 134.493



47, 68.220, 132.181



0, 0.000, 0.000

Inverse Universe

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



22, 72.063, 316.813



30, 87.154, 316.580



29, 61.150, 335.883



25, 4.644, 315.191



22, 71.870, 316.808



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 68.413, 132.181 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 47, 68.413, 132.181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

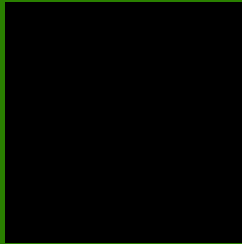
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 68.413, 132.181

Background



This preview shows how black text looks on a background with the CIELCh color 47, 68.413, 132.181.



This preview shows how white text looks on a background with the CIELCh color 47, 68.413, 132.181.

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

47, 68.413, 132.181

Protanopia

47, 52.981, 95.363

Deuteranopia

47, 46.333, 82.668



Tritanopia
47, 18.140, 216.919

Trichromacy



Original Color
47, 68.413, 132.181

Protanomaly
46, 55.687, 113.633

Deuteranomaly
45, 49.493, 108.384

Tritanomaly
46, 34.206, 152.525

Monochromacy



Original Color
47, 68.413, 132.181

Achromatopsia
37, 0.005, 296.813

Achromatomaly
40, 31.245, 133.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 68.413, 132.181 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(42, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 128, 0)  
}
```

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(42, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 128, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 68.413, 132.181 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(42, 128, 0) }
```

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

```
.border{ border-color:rgb(42, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 128, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 68.413, 132.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 128, 0) }
```

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

```
.background{ background-color: rgb(42, 128,  
0) }
```

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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