

Converting Colors

CIELCh(44, 42.861, 147.479)

Have a look what the booklet for
CIELCh(44, 42.861, 147.479)
contains.

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Color

CIELCh(44, 42.842, 147.551)

Conversions

Conversions Part 1

Format	Color
Hex	2A7640
RGB	42, 118, 64
RGB Percent	16%, 46%, 25%
CMY	0.8350, 0.5370, 0.7488
CMYK	0.64, 0.00, 0.46, 0.54
HSL	137°, 47%, 31%
HSV	137°, 64%, 46%
XYZ	8.3720, 13.8382, 7.0898
YIQ	89.1200, -27.9620, -32.9060

Conversions

Conversions Part 2

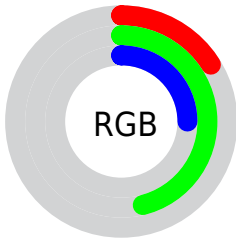
Format	Color
R _Y B	42, 101, 118
Decimal	2782784
CIE Lab	44.00, -36.15, 22.99
CIE LCh	44, 42.842, 147.551
Yxy	13.8382, 0.2857, 0.4723
Android (android.graphics.Color)	4280972864 (0xFF2A7640)
YUV	89.1200, -12.3842, -41.3242
Hunter-Lab	37.1997, -24.9272, 14.7399

Details

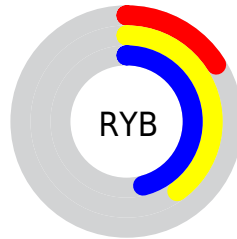
The CIELCh color $44, 42.842, 147.551$ is a dark color, and the websafe version is hex 006633 . A complement of this color would be $30, 42.614, 338.798$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $64, 42.732, 147.762$, and $25, 39.820, 142.855$ is the 20% darker color. If you saturate the color by 10%, you get $44, 48.286, 146.018$, and if you desaturate by 10%, it is $45, 36.862, 148.916$.

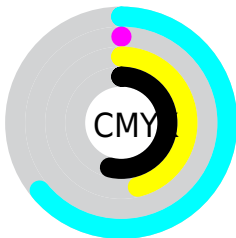
Distribution



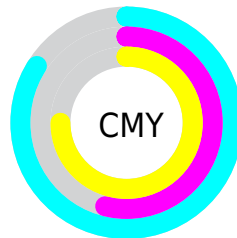
- Red (16%)
- Green (46%)
- Blue (25%)



- Red (16%)
- Yellow (40%)
- Blue (46%)



- Cyan (64%)
- Magenta (0%)
- Yellow (46%)
- Black (54%)





- Cyan (84%)
- Magenta (54%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 42.842, 147.551 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 44, 42.842, 147.551 by changing the saturation by 10% instead.


 44, 42.842,
147.551


 44, 42.842,
147.551


 100, 42.842,
147.551


 34, 42.842,
147.551

 64, 42.842,
147.551


 24, 42.842,
147.551

 74, 42.842,
147.551

 14, 42.842,
147.551

 84, 42.842,
147.551

 4, 42.842, 147.551

 94, 42.842,
147.551

 0, 42.842, 147.551

 44, 42.842,

 44, 42.842,

147.551

147.551

■ 44, 48.286,
146.018

■ 45, 36.862,
148.916

■ 43, 53.090,
144.332

■ 45, 30.463,
150.118

■ 43, 57.202,
142.551

■ 46, 23.768,
151.170

■ 43, 59.324,
141.661

■ 47, 16.894,
152.089

■ 48, 9.943, 152.899

■ 49, 3.002, 153.655

■ 50, 3.864, 334.139

■ 52, 10.606,
334.725

■ 53, 17.189,

Harmonies

Complementary

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



44, 42.842, 147.551



30, 42.614, 338.798

Rectangle

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



44, 42.842, 147.551



44, 42.842, 197.551



44, 42.842, 327.551



44, 42.842, 17.551

Sweetspot

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



44, 42.843, 147.551



61, 16.286, 152.498



47, 43.141, 117.846



31, 11.145, 152.311



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 42.843, 147.551



56, 60.994, 145.268



45, 27.630, 175.439



24, 3.866, 153.299



44, 60.988, 141.579



86, 106.153, 140.441

Inverse Universe

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



30, 42.614, 338.798



37, 58.847, 340.381



29, 35.535, 11.822



23, 3.885, 334.401



26, 54.348, 343.384



56, 91.214, 344.498

Previews

White Background



This preview shows how the CIELCh color 44, 42.842, 147.551 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 44, 42.842, 147.551 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 44, 42.842, 147.551

Background



This preview shows how black text looks on a background with the CIELCh color 44, 42.842, 147.551.



This preview shows how white text looks on a background with the CIELCh color 44, 42.842, 147.551.

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

44, 42.842, 147.551

Protanopia

44, 26.830, 96.131

Deuteranopia

44, 21.618, 74.629



Tritanopia
44, 18.258, 214.909

Trichromacy



Original Color
44, 42.842, 147.551

Protanomaly
43, 29.559, 124.831

Deuteranomaly
43, 23.608, 120.105

Tritanomaly
44, 23.549, 175.767

Monochromacy



Original Color
44, 42.842, 147.551

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 16.977, 151.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 42.842, 147.551 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, 118, 64)` looks like.

```
.text, #text, p{  
    color:rgb(42, 118, 64)  
}
```

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, 118, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 118, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 42.842, 147.551 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, 118, 64) }
```

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

```
.border{ border-color:rgb(42, 118, 64) }
```

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

Here you see how a box with a 4 pixel rgb(42, 118, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 118, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 118, 64);  
box-shadow:4px 4px 4px 4px rgb(42, 118,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 42.842, 147.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 118, 64) }
```

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

```
.background{ background-color: rgb(42, 118,  
64) }
```

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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