

Converting Colors

CIELCh(47, 44.342, 154.139)

Have a look what the booklet for
CIELCh(47, 44.342, 154.139)
contains.

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Color

CIELCh(47, 44.422, 154.027)

Conversions

Conversions Part 1

Format	Color
Hex	1C7F4D
RGB	28, 127, 77
RGB Percent	11%, 50%, 30%
CMY	0.8890, 0.5012, 0.6973
CMYK	0.78, 0.00, 0.39, 0.50
HSL	150°, 64%, 30%
HSV	150°, 78%, 50%
XYZ	9.4479, 16.0195, 9.6487
YIQ	91.6990, -42.9540, -36.5380

Conversions

Conversions Part 2

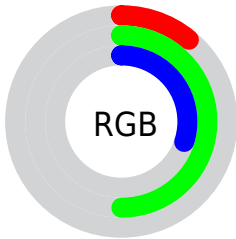
Format	Color
R_{YB}	28, 94, 127
Decimal	1867597
CIE _{Lab}	47.00, -39.94, 19.45
CIE _{LCh}	47, 44.422, 154.027
Yxy	16.0195, 0.2690, 0.4562
Android (android.graphics.Color)	4280057677 (0xFF1C7F4D)
YUV	91.6990, -7.2466, -55.8640
Hunter-Lab	40.0243, -27.9068, 13.7239

Details

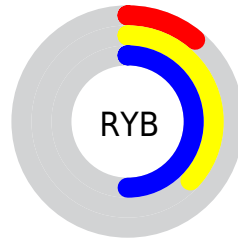
The CIELCh color $47, 44.422, 154.027$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $29, 45.966, 353.413$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 44.729, 153.678$, and $28, 38.644, 147.599$ is the 20% darker color. If you saturate the color by 10%, you get $47, 48.381, 152.103$, and if you desaturate by 10%, it is $47, 39.902, 155.754$.

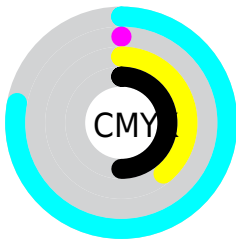
Distribution



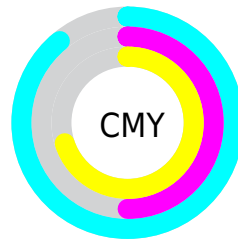
- Red (11%)
- Green (50%)
- Blue (30%)



- Red (11%)
- Yellow (37%)
- Blue (50%)



- Cyan (78%)
- Magenta (0%)
- Yellow (39%)
- Black (50%)



- Cyan (89%)
- Magenta (50%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 44.422, 154.027 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, 44.422, 154.027 by changing the saturation by 10% instead.

 47, 44.422,
154.027

 47, 44.422,
154.027

 100, 44.422,
154.027

 37, 44.422,
154.027

 67, 44.422,
154.027

 27, 44.422,
154.027

 77, 44.422,
154.027

 17, 44.422,
154.027

 87, 44.422,
154.027

 7, 44.422, 154.027

 97, 44.422,
154.027

 0, 44.422, 154.027

 47, 44.422,

 47, 44.422,

154.027

154.027

■ 47, 48.381,
152.103

■ 47, 39.902,
155.754

■ 46, 51.865,
150.072

■ 48, 34.862,
157.290

■ 46, 52.632,
149.648

■ 49, 29.377,
158.650

■ 49, 23.541,
159.856

■ 50, 17.453,
160.929

■ 51, 11.210,
161.895

■ 52, 4.895, 162.789

■ 54, 1.419, 343.308

Harmonies

Complementary

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



47, 44.422, 154.027



29, 45.966, 353.413

Rectangle

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



47, 44.422, 154.027



47, 44.422, 204.027



47, 44.422, 334.027



47, 44.422, 24.027

Sweetspot

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



47, 44.422, 154.027



65, 17.998, 161.348



48, 55.885, 125.763



34, 12.535, 161.041



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, 44.422, 154.027



60, 61.820, 150.551



48, 28.045, 194.544



26, 3.565, 162.670



47, 52.727, 149.642



0, 0.000, 0.000

Inverse Universe

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



29, 45.966, 353.413



36, 60.554, 358.516



28, 48.757, 31.012



25, 3.607, 344.018



27, 50.898, 0.027



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 44.422, 154.027 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 CIE LCh color 47, 44.422, 154.027 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, 44.422, 154.027

Background



This preview shows how black text looks on a background with the CIELCh color 47, 44.422, 154.027.



This preview shows how white text looks on a background with the CIELCh color 47, 44.422, 154.027.

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, 44.422, 154.027

Protanopia

47, 23.803, 95.741

Deuteranopia

47, 18.349, 69.879



Tritanopia
47, 21.798, 213.228

Trichromacy



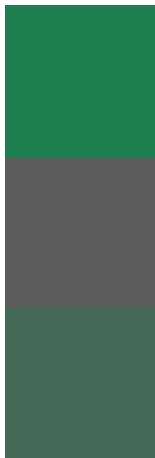
Original Color
47, 44.422, 154.027

Protanomaly
46, 28.739, 133.427

Deuteranomaly
46, 21.771, 130.808

Tritanomaly
47, 26.996, 181.156

Monochromacy



Original Color
47, 44.422, 154.027

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 18.253, 160.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 44.422, 154.027 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(28, 127, 77)` looks like.

```
.text, #text, p{  
    color:rgb(28, 127, 77)  
}
```

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(28, 127, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 127, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 44.422, 154.027 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(28, 127, 77) }
```

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

```
.border{ border-color:rgb(28, 127, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 127, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 127, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 127, 77);  
box-shadow:4px 4px 4px 4px rgb(28, 127,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 44.422, 154.027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 127, 77) }
```

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

```
.background{ background-color: rgb(28, 127,  
77) }
```

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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