

Converting Colors

CIELCh(47, 51.108, 142.743)

Have a look what the booklet for
CIELCh(47, 51.108, 142.743)
contains.

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Color

CIELCh(47, 51.198, 142.639)

Conversions

Conversions Part 1

Format	Color
Hex	2C7F38
RGB	44, 127, 56
RGB Percent	17%, 50%, 22%
CMY	0.8271, 0.5017, 0.7801
CMYK	0.65, 0.00, 0.56, 0.50
HSL	129°, 48%, 34%
HSV	129°, 65%, 50%
XYZ	9.3554, 16.0195, 6.3482
YIQ	94.0890, -26.6770, -39.6770

Conversions

Conversions Part 2

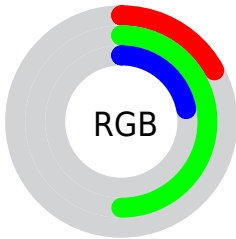
Format	Color
RYB	44, 117, 127
Decimal	2916152
CIELab	47.00, -40.69, 31.07
CIELCh	47, 51.198, 142.639
Yxy	16.0195, 0.2949, 0.5050
Android (android.graphics.Color)	4281106232 (0xFF2C7F38)
YUV	94.0890, -18.7779, -43.9281
Hunter-Lab	40.0243, -28.3193, 18.6132

Details

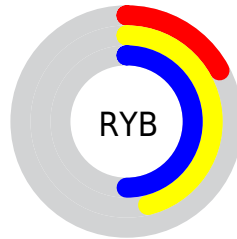
The CIELCh color **47, 51.198, 142.639** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **33, 50.263, 332.538**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 51.318, 142.590**, and **28, 47.736, 138.215** is the 20% darker color. If you saturate the color by 10%, you get **47, 57.346, 141.255**, and if you desaturate by 10%, it is **48, 44.276, 143.919**.

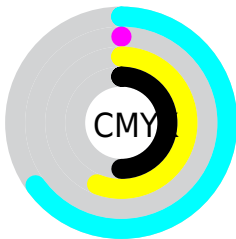
Distribution



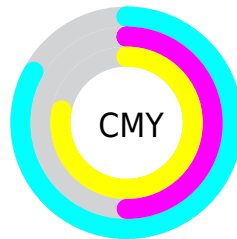
- Red (17%)
- Green (50%)
- Blue (22%)



- Red (17%)
- Yellow (46%)
- Blue (50%)



- Cyan (65%)
- Magenta (0%)
- Yellow (56%)
- Black (50%)




- Cyan (83%)
- Magenta (50%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 51.198, 142.639 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, 51.198, 142.639 by changing the saturation by 10% instead.

 47, 51.198,
142.639


 47, 51.198,
142.639

 100, 51.198,
142.639


 37, 51.198,
142.639

 67, 51.198,
142.639


 27, 51.198,
142.639

 77, 51.198,
142.639

 17, 51.198,
142.639

 87, 51.198,
142.639

 7, 51.198, 142.639

 97, 51.198,
142.639

 0, 51.198, 142.639

 47, 51.198,

 47, 51.198,

142.639

142.639

■ 47, 57.346,
141.255

■ 48, 44.276,
143.919

■ 46, 62.524,
139.824

■ 48, 36.774,
145.067

■ 46, 66.578,
138.467

■ 49, 28.876,
146.076

■ 46, 68.152,
137.988

■ 50, 20.746,
146.954

■ 51, 12.523,
147.717

■ 53, 4.316, 148.401

■ 54, 3.790, 328.859

■ 55, 11.734,
329.384

■ 57, 19.476,
329.815

Harmonies

Complementary

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



47, 51.198, 142.639



33, 50.263, 332.538

Rectangle

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



47, 51.198, 142.639



47, 51.198, 192.639



47, 51.198, 322.639



47, 51.198, 12.639

Sweetspot

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



47, 51.198, 142.639



65, 20.361, 147.336



51, 45.258, 110.936



34, 14.005, 147.152



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, 51.198, 142.639



60, 72.625, 140.606



48, 33.999, 164.126



26, 4.607, 148.144



46, 68.326, 137.983



0, 0.000, 0.000

Inverse Universe

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



33, 50.263, 332.538



40, 69.417, 333.424



31, 38.728, 0.662



25, 4.618, 329.151



29, 61.958, 334.719



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 51.198, 142.639 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, 51.198, 142.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

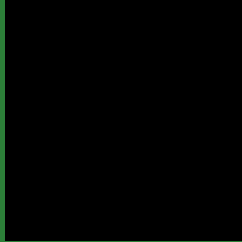
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 51.198, 142.639

Background



This preview shows how black text looks on a background with the CIELCh color 47, 51.198, 142.639.



This preview shows how white text looks on a background with the CIELCh color 47, 51.198, 142.639.

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, 51.198, 142.639

Protanopia

47, 34.759, 95.868

Deuteranopia

47, 29.507, 78.624



Tritanopia
47, 18.633, 216.347

Trichromacy



Original Color
47, 51.198, 142.639

Protanomaly
46, 37.704, 121.344

Deuteranomaly
46, 31.478, 115.932

Tritanomaly
47, 26.427, 169.874

Monochromacy



Original Color
47, 51.198, 142.639

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 20.144, 146.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 51.198, 142.639 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(44, 127, 56)` looks like.

```
.text, #text, p{  
    color:rgb(44, 127, 56)  
}
```

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(44, 127, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 127, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 51.198, 142.639 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(44, 127, 56) }
```

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

```
.border{ border-color:rgb(44, 127, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 127, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 127, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 127, 56);  
box-shadow:4px 4px 4px 4px rgb(44, 127,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 51.198, 142.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 127, 56) }
```

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

```
.background{ background-color: rgb(44, 127,  
56) }
```

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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