

Converting Colors

CIELCh(47, 56.415, 140.285)

Have a look what the booklet for
CIELCh(47, 56.415, 140.285)
contains.

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Color

CIELCh(47, 56.551, 140.299)

Conversions

Conversions Part 1

Format	Color
Hex	27802E
RGB	39, 128, 46
RGB Percent	15%, 50%, 18%
CMY	0.8478, 0.4987, 0.8202
CMYK	0.70, 0.00, 0.64, 0.50
HSL	125°, 53%, 33%
HSV	125°, 70%, 50%
XYZ	9.0172, 16.0195, 5.1860
YIQ	92.0410, -26.7220, -44.3700

Conversions

Conversions Part 2

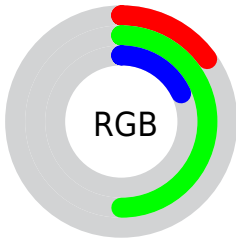
Format	Color
R_{YB}	39, 122, 128
Decimal	2588718
CIE _{Lab}	47.00, -43.51, 36.12
CIE _{LCh}	47, 56.551, 140.299
Yxy	16.0195, 0.2984, 0.5300
Android (android.graphics.Color)	4280778798 (0xFF27802E)
YUV	92.0410, -22.6982, -46.5170
Hunter-Lab	40.0243, -29.8276, 20.3348

Details

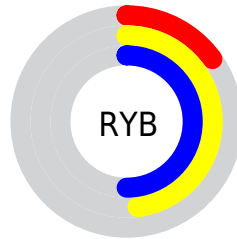
The CIELCh color **47, 56.551, 140.299** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **33, 55.273, 330.329**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 56.730, 140.178**, and **28, 50.313, 136.043** is the 20% darker color. If you saturate the color by 10%, you get **47, 62.338, 139.040**, and if you desaturate by 10%, it is **48, 49.739, 141.538**.

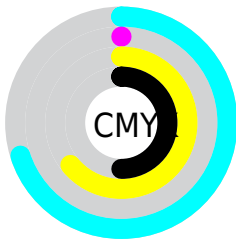
Distribution



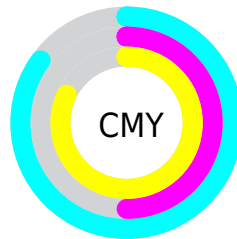
- Red (15%)
- Green (50%)
- Blue (18%)



- Red (15%)
- Yellow (48%)
- Blue (50%)



- Cyan (70%)
- Magenta (0%)
- Yellow (64%)
- Black (50%)



- Cyan (85%)
- Magenta (50%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 56.551, 140.299 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, 56.551, 140.299 by changing the saturation by 10% instead.

 47, 56.551,
140.299

 47, 56.551,
140.299

 100, 56.551,
140.299


 37, 56.551,
140.299

 67, 56.551,
140.299


 27, 56.551,
140.299

 77, 56.551,
140.299

 17, 56.551,
140.299

 87, 56.551,
140.299

 7, 56.551, 140.299

 97, 56.551,
140.299

 0, 56.551, 140.299

 47, 56.551,

 47, 56.551,

140.299

■ 47, 62.338,
139.040

■ 46, 66.846,
137.862

■ 46, 70.006,
137.015

■ 46, 70.095,
136.999

140.299

■ 48, 49.739,
141.538

■ 48, 42.155,
142.691

■ 49, 34.030,
143.726

■ 50, 25.568,
144.636

■ 51, 16.939,
145.426

■ 52, 8.281, 146.114

■ 54, 0.304, 326.014

■ 55, 8.739, 327.144

■ 57, 16.973,

Harmonies

Complementary

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



47, 56.551, 140.299



33, 55.273, 330.329

Rectangle

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



47, 56.551, 140.299



47, 56.551, 190.299



47, 56.551, 320.299



47, 56.551, 10.299

Sweetspot

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



47, 56.551, 140.299



65, 22.394, 145.289



51, 47.610, 107.474



34, 15.280, 145.113



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, 56.551, 140.299



59, 78.968, 138.282



48, 38.277, 159.347



26, 4.824, 146.150



46, 69.956, 137.002



0, 0.000, 0.000

Inverse Universe

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



33, 55.273, 330.329



40, 75.156, 331.014



31, 41.748, 356.773



25, 4.833, 327.122



29, 65.089, 331.544



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 56.551, 140.299 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, 56.551, 140.299 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, 56.551, 140.299

Background



This preview shows how black text looks on a background with the CIELCh color 47, 56.551, 140.299.



This preview shows how white text looks on a background with the CIELCh color 47, 56.551, 140.299.

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, 56.551, 140.299

Protanopia

47, 39.754, 95.566

Deuteranopia

47, 34.314, 79.034



Tritanopia
47, 19.298, 213.715

Trichromacy



Original Color
47, 56.551, 140.299

Protanomaly
46, 42.560, 119.628

Deuteranomaly
45, 36.156, 114.085

Tritanomaly
47, 28.766, 166.742

Monochromacy



Original Color
47, 56.551, 140.299

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 22.616, 144.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 56.551, 140.299 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(39, 128, 46)` looks like.

```
.text, #text, p{  
    color:rgb(39, 128, 46)  
}
```

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(39, 128, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 128, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 56.551, 140.299 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(39, 128, 46) }
```

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

```
.border{ border-color:rgb(39, 128, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 128, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 128, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 128, 46);  
box-shadow:4px 4px 4px 4px rgb(39, 128,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 56.551, 140.299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 128, 46) }
```

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

```
.background{ background-color: rgb(39, 128,  
46) }
```

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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