

Converting Colors

CIELCh(47, 46.871, 122.375)

Have a look what the booklet for
CIELCh(47, 46.871, 122.375)
contains.

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Color

CIELCh(47, 46.653, 122.432)

Conversions

Conversions Part 1

Format	Color
Hex	597928
RGB	89, 121, 40
RGB Percent	35%, 47%, 16%
CMY	0.6501, 0.5246, 0.8423
CMYK	0.26, 0.00, 0.67, 0.52
HSL	84°, 50%, 32%
HSV	84°, 67%, 48%
XYZ	11.3932, 16.0195, 4.5188
YIQ	102.1980, 6.9290, -31.9750

Conversions

Conversions Part 2

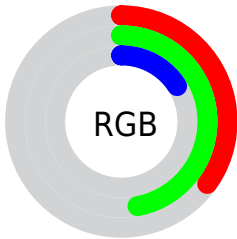
Format	Color
RYB	40, 121, 72
Decimal	5863720
CIELab	47.00, -25.02, 39.38
CIELCh	47, 46.653, 122.432
Yxy	16.0195, 0.3568, 0.5017
Android (android.graphics.Color)	4284053800 (0xFF597928)
YUV	102.1980, -30.6636, -11.5746
Hunter-Lab	40.0243, -19.2311, 21.3231

Details

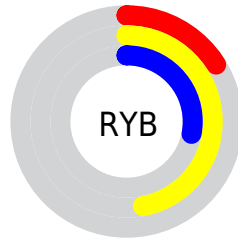
The CIELCh color $47, 46.653, 122.432$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $25, 52.927, 309.339$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 47.168, 122.649$, and $27, 42.471, 124.957$ is the 20% darker color. If you saturate the color by 10%, you get $47, 52.023, 122.413$, and if you desaturate by 10%, it is $47, 40.508, 122.681$.

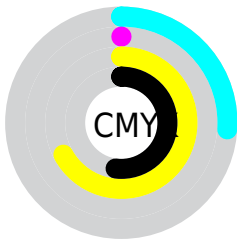
Distribution



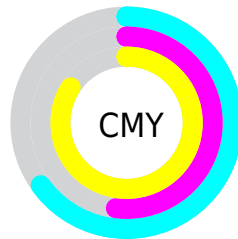
- Red (35%)
- Green (47%)
- Blue (16%)



- Red (16%)
- Yellow (47%)
- Blue (28%)



- Cyan (26%)
- Magenta (0%)
- Yellow (67%)
- Black (52%)




- Cyan (65%)
- Magenta (52%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 46.653, 122.432 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, 46.653, 122.432 by changing the saturation by 10% instead.

 47, 46.653,
122.432

 47, 46.653,
122.432

 100, 46.653,
122.432

 37, 46.653,
122.432

 67, 46.653,
122.432


 27, 46.653,
122.432

 77, 46.653,
122.432

 17, 46.653,
122.432

 87, 46.653,
122.432

 7, 46.653, 122.432

 97, 46.653,
122.432

 0, 46.653, 122.432

 47, 46.653,

 47, 46.653,

122.432

■ 47, 52.023,
122.413

■ 46, 56.319,
122.725

■ 46, 59.509,
123.373

■ 46, 60.507,
123.554

122.432

■ 47, 40.508,
122.681

■ 48, 33.841,
123.066

■ 48, 26.843,
123.527

■ 49, 19.648,
124.021

■ 50, 12.346,
124.521

■ 50, 5.003, 125.014

■ 51, 2.338, 305.441

■ 52, 9.644, 305.895

■ 53, 16.890,

Harmonies

Complementary

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



47, 46.653, 122.432



25, 52.927, 309.339

Rectangle

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



47, 46.653, 122.432



47, 46.653, 172.432



47, 46.653, 302.432



47, 46.653, 352.432

Sweetspot

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



47, 46.654, 122.433



63, 18.236, 124.338



36, 32.928, 56.298



32, 12.368, 124.226



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 46.654, 122.433



60, 65.962, 122.525



45, 53.490, 136.758



25, 4.166, 124.903



47, 61.859, 123.604



90, 104.841, 124.455

Inverse Universe

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



25, 52.927, 309.339



27, 77.338, 310.010



30, 53.648, 323.899



24, 4.230, 305.752



16, 74.903, 310.136



37, 126.892, 309.577

Previews

White Background



This preview shows how the CIELCh color 47, 46.653, 122.432 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, 46.653, 122.432 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, 46.653, 122.432

Background



This preview shows how black text looks on a background with the CIELCh color 47, 46.653, 122.432.



This preview shows how white text looks on a background with the CIELCh color 47, 46.653, 122.432.

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, 46.653, 122.432

Protanopia

47, 41.131, 95.654

Deuteranopia

47, 38.622, 81.329



Tritanopia
47, 7.182, 247.150

Trichromacy



Original Color
47, 46.653, 122.432

Protanomaly
47, 41.934, 107.018

Deuteranomaly
47, 38.904, 99.091

Tritanomaly
47, 16.482, 138.795

Monochromacy



Original Color
47, 46.653, 122.432

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 17.935, 124.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 46.653, 122.432 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(89, 121, 40)` looks like.

```
.text, #text, p{  
    color:rgb(89, 121, 40)  
}
```

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(89, 121, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 121, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 46.653, 122.432 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(89, 121, 40) }
```

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

```
.border{ border-color:rgb(89, 121, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 121, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 121, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 121, 40);  
box-shadow:4px 4px 4px 4px rgb(89, 121,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 46.653, 122.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 121, 40) }
```

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

```
.background{ background-color: rgb(89, 121,  
40) }
```

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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