

Converting Colors

CIELCh(47, 54.839, 120.316)

Have a look what the booklet for
CIELCh(47, 54.839, 120.316)
contains.

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Color

CIELCh(47, 54.839, 120.316)

Conversions

Conversions Part 1

Format	Color
Hex	577A13
RGB	87, 122, 19
RGB Percent	34%, 48%, 7%
CMY	0.6585, 0.5212, 0.9250
CMYK	0.29, 0.00, 0.84, 0.52
HSL	80°, 73%, 28%
HSV	80°, 84%, 48%
XYZ	11.0283, 16.0195, 3.1321
YIQ	99.7930, 12.2030, -39.4530

Conversions

Conversions Part 2

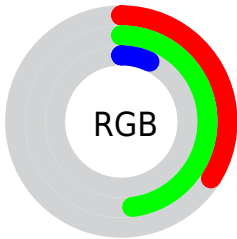
Format	Color
RYB	19, 122, 54
Decimal	5732883
CIELab	47.00, -27.68, 47.34
CIELCh	47, 54.839, 120.316
Yxy	16.0195, 0.3654, 0.5308
Android (android.graphics.Color)	4283922963 (0xFF577A13)
YUV	99.7930, -39.8309, -11.2195
Hunter-Lab	40.0243, -20.8588, 23.3772

Details

The CIELCh color $47, 54.839, 120.316$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $19, 66.022, 308.890$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 55.076, 120.489$, and $27, 43.357, 126.185$ is the 20% darker color. If you saturate the color by 10%, you get $47, 58.095, 120.880$, and if you desaturate by 10%, it is $47, 50.352, 120.131$.

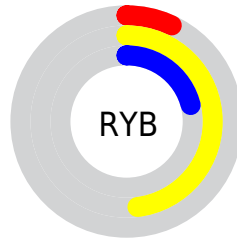
Distribution



Red (34%)

Green (48%)

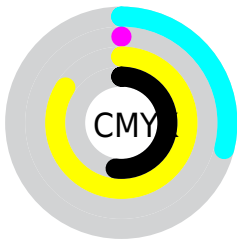
Blue (7%)



Red (7%)

Yellow (48%)

Blue (21%)

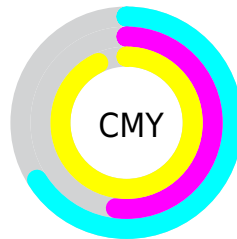


Cyan (29%)

Magenta (0%)

Yellow (84%)

Black (52%)



Cyan (66%)


Magenta (52%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 54.839, 120.316 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, 54.839, 120.316 by changing the saturation by 10% instead.


 47, 54.839,
120.316

 47, 54.839,
120.316


 100, 54.839,
120.316


 37, 54.839,
120.316

 67, 54.839,
120.316


 27, 54.839,
120.316

 77, 54.839,
120.316

 17, 54.839,
120.316

 87, 54.839,
120.316

 7, 54.839, 120.316

 97, 54.839,
120.316

 0, 54.839, 120.316

 47, 54.839,

 47, 54.839,

120.316

■ 47, 58.095,
120.880

■ 47, 59.784,
121.206

120.316

■ 47, 50.352,
120.131

■ 48, 44.850,
120.245

■ 48, 38.629,
120.559

■ 49, 31.930,
120.995

■ 49, 24.931,
121.496

■ 50, 17.752,
122.026

■ 50, 10.478,
122.560

■ 51, 3.167, 123.088

Harmonies

Complementary

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



47, 54.839, 120.316



19, 66.022, 308.890

Rectangle

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



47, 54.839, 120.316



47, 54.839, 170.316



47, 54.839, 300.316



47, 54.839, 350.316

Sweetspot

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



47, 54.839, 120.317



63, 22.520, 121.959



31, 44.167, 51.035



32, 15.263, 121.809



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, 54.839, 120.317



59, 72.312, 121.569



45, 62.808, 134.930



25, 4.124, 122.838



48, 60.800, 121.242



91, 102.927, 122.048

Inverse Universe

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



19, 66.022, 308.890



21, 90.071, 309.000



26, 63.038, 322.406



24, 4.193, 303.766



15, 75.704, 309.215



36, 128.256, 308.697

Previews

White Background



This preview shows how the CIELCh color 47, 54.839, 120.316 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, 54.839, 120.316 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, 54.839, 120.316

Background



This preview shows how black text looks on a background with the CIELCh color 47, 54.839, 120.316.



This preview shows how white text looks on a background with the CIELCh color 47, 54.839, 120.316.

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, 54.839, 120.316

Protanopia
47, 49.344, 95.330

Deuteranopia
47, 45.788, 81.882



Tritanopia
47, 7.947, 241.184

Trichromacy



Original Color
47, 54.839, 120.316

Protanomaly
47, 50.073, 105.551

Deuteranomaly
46, 46.214, 97.662

Tritanomaly
47, 21.190, 135.087

Monochromacy



Original Color
47, 54.839, 120.316

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 22.547, 121.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 54.839, 120.316 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(87, 122, 19)` looks like.

```
.text, #text, p{  
    color:rgb(87, 122, 19)  
}
```

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(87, 122, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 122, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 54.839, 120.316 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(87, 122, 19) }
```

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

```
.border{ border-color:rgb(87, 122, 19) }
```

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

Here you see how a box with a 4 pixel rgb(87, 122, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 122, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 122, 19);  
box-shadow:4px 4px 4px 4px rgb(87, 122,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 54.839, 120.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 122, 19) }
```

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

```
.background{ background-color: rgb(87, 122,  
19) }
```

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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