

Converting Colors

CIELCh(47, 49.290, 120.338)

Have a look what the booklet for
CIELCh(47, 49.290, 120.338)
contains.

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Color

CIELCh(47, 49.184, 120.174)

Conversions

Conversions Part 1

Format	Color
Hex	5B7921
RGB	91, 121, 33
RGB Percent	36%, 47%, 13%
CMY	0.6430, 0.5253, 0.8704
CMYK	0.25, 0.00, 0.73, 0.53
HSL	80°, 57%, 30%
HSV	80°, 73%, 47%
XYZ	11.4347, 16.0195, 3.9309
YIQ	101.9980, 10.3680, -33.7280

Conversions

Conversions Part 2

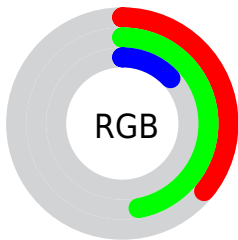
Format	Color
R_YB	33, 121, 63
Decimal	5994785
CIE Lab	47.00, -24.72, 42.52
CIE LCh	47, 49.184, 120.174
Yxy	16.0195, 0.3643, 0.5104
Android (android.graphics.Color)	4284184865 (0xFF5B7921)
YUV	101.9980, -34.0160, -9.6452
Hunter-Lab	40.0243, -19.0462, 22.1940

Details

The CIELCh color $47, 49.184, 120.174$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $22, 57.479, 308.318$, and the grayscale version is $43, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 49.045, 119.858$, and $27, 42.124, 123.929$ is the 20% darker color. If you saturate the color by 10%, you get $47, 53.835, 120.304$, and if you desaturate by 10%, it is $47, 43.579, 120.329$.

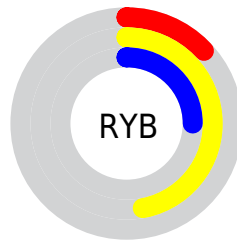
Distribution



Red (36%)

Green (47%)

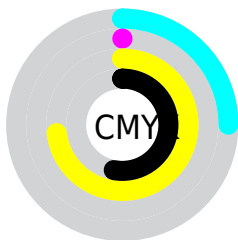
Blue (13%)



Red (13%)

Yellow (47%)

Blue (25%)

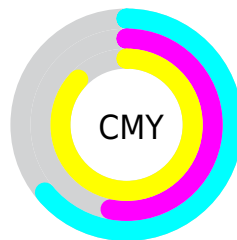


Cyan (25%)

Magenta (0%)

Yellow (73%)

Black (53%)



Cyan (64%)


Magenta (53%)

Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 49.184, 120.174 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, 49.184, 120.174 by changing the saturation by 10% instead.

 47, 49.184,
120.174


 47, 49.184,
120.174


 100, 49.184,
120.174


 37, 49.184,
120.174

 67, 49.184,
120.174


 27, 49.184,
120.174

 77, 49.184,
120.174

 17, 49.184,
120.174

 87, 49.184,
120.174

 7, 49.184, 120.174

 97, 49.184,
120.174

 0, 49.184, 120.174

 47, 49.184,

 47, 49.184,

120.174

■ 47, 53.835,
120.304

■ 46, 57.258,
120.812

■ 46, 59.426,
121.238

120.174

■ 47, 43.579,
120.329

■ 48, 37.305,
120.667

■ 48, 30.591,
121.117

■ 49, 23.603,
121.624

■ 49, 16.453,
122.154

■ 50, 9.220, 122.686

■ 51, 1.957, 123.218

■ 51, 5.298, 303.678

■ 52, 12.517,

Harmonies

Complementary

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



47, 49.184, 120.174



22, 57.479, 308.318

Rectangle

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



47, 49.184, 120.174



47, 49.184, 170.174



47, 49.184, 300.174



47, 49.184, 350.174

Sweetspot

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



47, 49.184, 120.176



63, 19.840, 122.163



33, 36.887, 51.544



32, 13.250, 122.051



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, 49.184, 120.176



60, 68.229, 120.585



45, 56.381, 135.396



25, 4.125, 122.876



48, 60.819, 121.288



91, 102.961, 122.095

Inverse Universe

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



22, 57.479, 308.318



24, 82.982, 309.029



28, 56.945, 322.405



24, 4.194, 303.803



15, 75.690, 309.231



36, 128.232, 308.712

Previews

White Background



This preview shows how the CIELCh color 47, 49.184, 120.174 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, 49.184, 120.174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

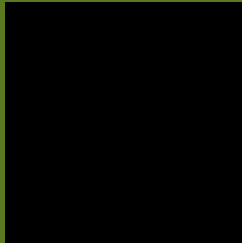
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 49.184, 120.174

Background



This preview shows how black text looks on a background with the CIELCh color 47, 49.184, 120.174.



This preview shows how white text looks on a background with the CIELCh color 47, 49.184, 120.174.

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

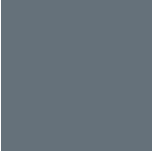
47, 49.184, 120.174

Protanopia

47, 44.216, 95.166

Deuteranopia

47, 41.593, 81.822



Tritanopia
47, 6.940, 249.438

Trichromacy



Original Color
47, 49.184, 120.174

Protanomaly
47, 44.891, 105.242

Deuteranomaly
46, 41.420, 97.008

Tritanomaly
47, 17.304, 135.706

Monochromacy



Original Color
47, 49.184, 120.174

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 19.487, 121.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 49.184, 120.174 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(91, 121, 33)` looks like.

```
.text, #text, p{  
    color:rgb(91, 121, 33)  
}
```

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(91, 121, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 121, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 49.184, 120.174 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(91, 121, 33) }
```

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

```
.border{ border-color:rgb(91, 121, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 121, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 121, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 121, 33);  
box-shadow:4px 4px 4px 4px rgb(91, 121,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 49.184, 120.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 121, 33) }
```

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

```
.background{ background-color: rgb(91, 121,  
33) }
```

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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