

Converting Colors

CIELCh(47, 19.920, 148.652)

Have a look what the booklet for
CIELCh(47, 19.920, 148.652)
contains.

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Color

CIELCh(47, 19.782, 149.291)

Conversions

Conversions Part 1

Format	Color
Hex	57775E
RGB	87, 119, 94
RGB Percent	34%, 47%, 37%
CMY	0.6589, 0.5334, 0.6315
CMYK	0.27, 0.00, 0.21, 0.53
HSL	133°, 16%, 40%
HSV	133°, 27%, 47%
XYZ	12.5405, 16.0195, 13.0144
YIQ	106.5820, -11.0470, -14.5590

Conversions

Conversions Part 2

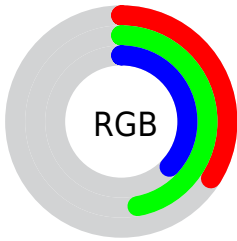
Format	Color
RYB	87, 113, 119
Decimal	5732190
CIELab	47.00, -17.01, 10.10
CIELCh	47, 19.782, 149.291
Yxy	16.0195, 0.3016, 0.3853
Android (android.graphics.Color)	4283922270 (0xFF57775E)
YUV	106.5820, -6.2029, -17.1734
Hunter-Lab	40.0243, -14.1145, 8.7382

Details

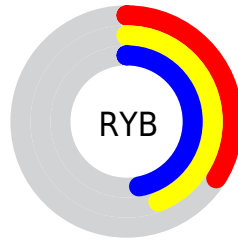
The CIELCh color $47, 19.782, 149.291$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 19.885, 332.856$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 19.612, 148.600$, and $27, 19.509, 149.759$ is the 20% darker color. If you saturate the color by 10%, you get $46, 27.053, 148.371$, and if you desaturate by 10%, it is $48, 12.413, 150.093$.

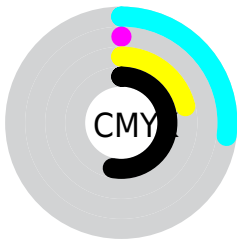
Distribution



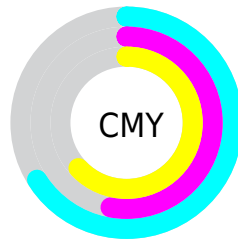
- Red (34%)
- Green (47%)
- Blue (37%)



- Red (34%)
- Yellow (44%)
- Blue (47%)



- Cyan (27%)
- Magenta (0%)
- Yellow (21%)
- Black (53%)





- Cyan (66%)
- Magenta (53%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 19.782, 149.291 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, 19.782, 149.291 by changing the saturation by 10% instead.


 47, 19.782,
149.291


 47, 19.782,
149.291


 100, 19.782,
149.291


 37, 19.782,
149.291

 67, 19.782,
149.291


 27, 19.782,
149.291

 77, 19.782,
149.291


 17, 19.782,
149.291


 87, 19.782,
149.291

 7, 19.782, 149.291

 97, 19.782,
149.291

 0, 19.782, 149.291

 47, 19.782,

 47, 19.782,

149.291

149.291

■ 46, 27.053,
148.371

■ 48, 12.413,
150.093

■ 45, 34.105,
147.316

■ 49, 5.040, 150.810

■ 45, 40.803,
146.112

■ 50, 2.259, 331.276

■ 52, 9.428, 331.876

■ 44, 47.003,
144.756

■ 53, 16.428,
332.351

■ 44, 52.562,
143.259

■ 55, 23.235,
332.767

■ 43, 57.350,
141.658

■ 56, 29.834,
333.136

■ 43, 61.323,
140.090

■ 58, 36.221,
333.466

■ 43, 62.438,
139.690

■ 60, 42.395,

Harmonies

Complementary

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



47, 19.782, 149.291



41, 19.885, 332.856

Rectangle

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



47, 19.782, 149.291



47, 19.782, 199.291



47, 19.782, 329.291



47, 19.782, 19.291

Sweetspot

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



47, 19.783, 149.291



63, 7.288, 150.718



49, 18.816, 116.928



33, 5.224, 150.628



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, 19.783, 149.291



60, 29.275, 148.762



47, 13.605, 174.655



24, 4.071, 150.661



44, 63.806, 139.633



86, 110.710, 138.652

Inverse Universe

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



41, 19.885, 332.856



51, 29.428, 333.250



41, 14.736, 359.868



23, 4.085, 331.702



27, 57.012, 338.844



56, 95.837, 339.581

Previews

White Background



This preview shows how the CIELCh color 47, 19.782, 149.291 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, 19.782, 149.291 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, 19.782, 149.291

Background



This preview shows how black text looks on a background with the CIELCh color 47, 19.782, 149.291.



This preview shows how white text looks on a background with the CIELCh color 47, 19.782, 149.291.

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, 19.782, 149.291

Protanopia

47, 12.733, 94.502

Deuteranopia

47, 10.933, 56.352



Tritanopia
47, 9.623, 232.457

Trichromacy



Original Color
47, 19.782, 149.291

Protanomaly
47, 13.840, 120.870

Deuteranomaly
46, 9.438, 106.257

Tritanomaly
47, 9.873, 187.905

Monochromacy



Original Color
47, 19.782, 149.291

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 7.040, 149.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 19.782, 149.291 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, 119, 94)` looks like.

```
.text, #text, p{  
    color:rgb(87, 119, 94)  
}
```

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, 119, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 119, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 19.782, 149.291 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, 119, 94) }
```

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

```
.border{ border-color:rgb(87, 119, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 119, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 119, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 119, 94);  
box-shadow:4px 4px 4px 4px rgb(87, 119,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 19.782, 149.291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 119, 94) }
```

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

```
.background{ background-color: rgb(87, 119,  
94) }
```

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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