

Converting Colors

CIELCh(47, 11.957, 209.688)

Have a look what the booklet for
CIELCh(47, 11.957, 209.688)
contains.

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Color

CIELCh(47, 11.949, 209.685)

Conversions

Conversions Part 1

Format	Color
Hex	557579
RGB	85, 117, 121
RGB Percent	33%, 46%, 47%
CMY	0.6668, 0.5414, 0.5257
CMYK	0.30, 0.03, 0.00, 0.53
HSL	187°, 17%, 40%
HSV	187°, 30%, 47%
XYZ	13.5457, 16.0195, 20.4513
YIQ	107.8880, -20.3560, -5.5400

Conversions

Conversions Part 2

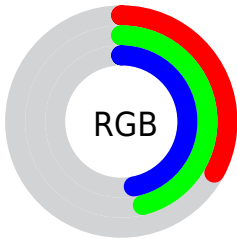
Format	Color
R_{YB}	85, 102, 121
Decimal	5600633
CIE _{Lab}	47.00, -10.38, -5.92
CIE _{LCh}	47, 11.949, 209.685
Yxy	16.0195, 0.2708, 0.3203
Android (android.graphics.Color)	4283790713 (0xFF557579)
YUV	107.8880, 6.4642, -20.0728
Hunter-Lab	40.0243, -9.6314, -2.2785

Details

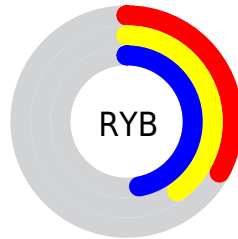
The CIELCh color $47, 11.949, 209.685$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $41, 14.610, 30.716$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 11.843, 209.294$, and $27, 12.166, 210.090$ is the 20% darker color. If you saturate the color by 10%, you get $46, 15.335, 209.876$, and if you desaturate by 10%, it is $48, 8.205, 209.624$.

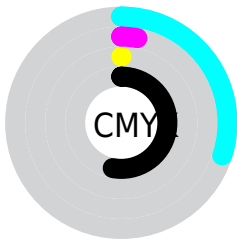
Distribution



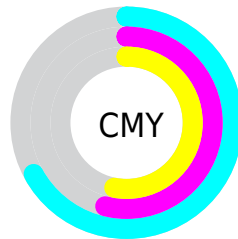
- Red (33%)
- Green (46%)
- Blue (47%)



- Red (33%)
- Yellow (40%)
- Blue (47%)



- Cyan (30%)
- Magenta (3%)
- Yellow (0%)
- Black (53%)



- Cyan (67%)
- Magenta (54%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 11.949, 209.685 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, 11.949, 209.685 by changing the saturation by 10% instead.

 47, 11.949,
209.685


 47, 11.949,
209.685

 100, 11.949,
209.685


 37, 11.949,
209.685

 67, 11.949,
209.685


 27, 11.949,
209.685

 77, 11.949,
209.685

 17, 11.949,
209.685


 87, 11.949,
209.685

 7, 11.949, 209.685

 97, 11.949,
209.685

 0, 11.949, 209.685

 47, 11.949,

 47, 11.949,

209.685

209.685

■ 46, 15.335,
209.876

■ 48, 8.205, 209.624

■ 45, 18.298,
210.235

■ 49, 4.167, 209.705

■ 44, 20.781,
210.790

■ 51, 0.104, 26.041

■ 43, 22.738,
211.579

■ 54, 9.140, 30.110

■ 42, 24.148,
212.640

■ 55, 13.818, 30.397

■ 42, 25.019,
214.012

■ 57, 18.560, 30.705

■ 41, 25.562,
215.590

■ 59, 23.338, 31.028

■ 60, 28.132, 31.362

■ 41, 25.575,
215.627

Harmonies

Complementary

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



47, 11.949, 209.685



41, 14.610, 30.716

Rectangle

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



47, 11.949, 209.685



47, 11.949, 259.685



47, 11.949, 29.685



47, 11.949, 79.685

Sweetspot

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



47, 11.949, 209.680



64, 4.791, 209.715



47, 24.168, 145.245



33, 3.301, 209.694



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, 11.949, 209.680



60, 17.500, 209.804



42, 13.908, 269.875



25, 2.432, 209.717



43, 26.173, 215.699



82, 43.895, 216.882

Inverse Universe

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



41, 24.013, 329.277



51, 36.032, 329.686



46, 14.361, 81.704



24, 4.568, 328.086



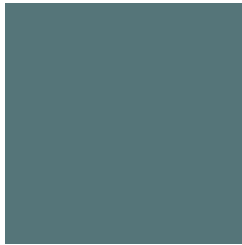
28, 62.626, 333.031



58, 104.949, 333.322

Previews

White Background



This preview shows how the CIELCh color 47, 11.949, 209.685 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, 11.949, 209.685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

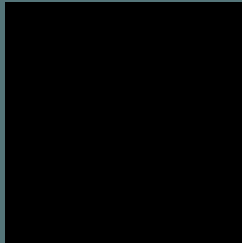
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 11.949, 209.685

Background



This preview shows how black text looks on a background with the CIELCh color 47, 11.949, 209.685.

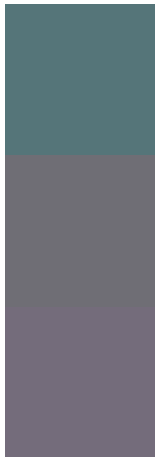


This preview shows how white text looks on a background with the CIELCh color 47, 11.949, 209.685.

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, 11.949, 209.685

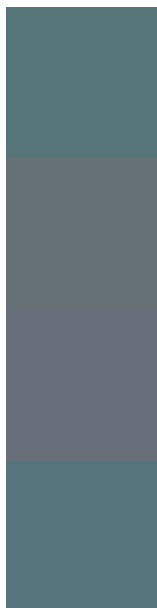
Protanopia
47, 4.178, 296.221

Deuteranopia
47, 9.482, 310.727



Tritanopia
47, 12.175, 227.677

Trichromacy



Original Color
47, 11.949, 209.685

Protanomaly
47, 5.149, 234.258

Deuteranomaly
47, 6.869, 271.360

Tritanomaly
47, 11.774, 222.219

Monochromacy



Original Color
47, 11.949, 209.685

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.478, 214.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 11.949, 209.685 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(85, 117, 121)` looks like.

```
.text, #text, p{  
    color:rgb(85, 117, 121)  
}
```

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(85, 117, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 117, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 11.949, 209.685 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(85, 117, 121) }
```

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

```
.border{ border-color:rgb(85, 117, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 117, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 117, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 117, 121);  
box-shadow:4px 4px 4px 4px rgb(85, 117,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 11.949, 209.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 117, 121) }
```

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

```
.background{ background-color: rgb(85, 117,  
121) }
```

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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