

Converting Colors

CIELCh(47, 13.028, 198.982)

Have a look what the booklet for
CIELCh(47, 13.028, 198.982)
contains.

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Color

CIELCh(47, 12.979, 198.004)

Conversions

Conversions Part 1

Format	Color
Hex	537676
RGB	83, 118, 118
RGB Percent	33%, 46%, 46%
CMY	0.6756, 0.5383, 0.5383
CMYK	0.30, 0.00, 0.00, 0.54
HSL	180°, 17%, 39%
HSV	180°, 30%, 46%
XYZ	13.2426, 16.0195, 19.4473
YIQ	107.5350, -20.8600, -7.4200

Conversions

Conversions Part 2

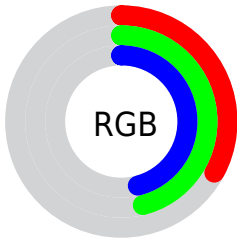
Format	Color
R_{YB}	83, 101, 118
Decimal	5469814
CIE _{Lab}	47.00, -12.34, -4.01
CIE _{LCh}	47, 12.979, 198.004
Yxy	16.0195, 0.2719, 0.3289
Android (android.graphics.Color)	4283659894 (0xFF537676)
YUV	107.5350, 5.1592, -21.5172
Hunter-Lab	40.0243, -10.9831, -0.7912

Details

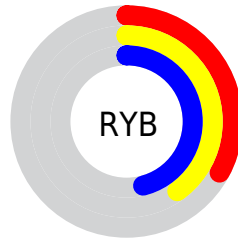
The CIELCh color `47, 12.979, 198.004` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `39, 15.731, 21.707`, and the grayscale version is `45, 0.006, 296.813`.

A 20% lighter version of the original color is `67, 12.823, 198.354`, and `27, 13.231, 197.355` is the 20% darker color. If you saturate the color by 10%, you get `46, 16.674, 197.598`, and if you desaturate by 10%, it is `48, 8.901, 198.457`.

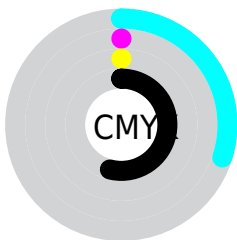
Distribution



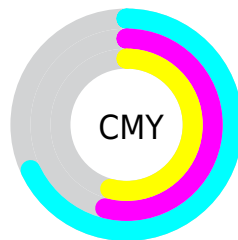
- Red (33%)
- Green (46%)
- Blue (46%)



- Red (33%)
- Yellow (40%)
- Blue (46%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (54%)



- Cyan (68%)
- Magenta (54%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 12.979, 198.004 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, 12.979, 198.004 by changing the saturation by 10% instead.


 47, 12.979,
198.004

 47, 12.979,
198.004

 100, 12.979,
198.004


 37, 12.979,
198.004

 67, 12.979,
198.004


 27, 12.979,
198.004

 77, 12.979,
198.004

 17, 12.979,
198.004


 87, 12.979,
198.004

 7, 12.979, 198.004

 97, 12.979,
198.004

 0, 12.979, 198.004

 47, 12.979,

 47, 12.979,

198.004

■ 46, 16.674,
197.598

■ 46, 19.918,
197.252

■ 45, 22.655,
196.965

■ 45, 24.845,
196.738

■ 45, 26.472,
196.571

■ 45, 27.550,
196.462

■ 45, 28.289,
196.387

■ 45, 28.310,
196.385

198.004

■ 48, 8.901, 198.457

■ 49, 4.508, 198.983

■ 50, 0.132, 16.575

■ 51, 4.956, 19.892

■ 52, 9.911, 20.499

■ 53, 14.950, 21.095

■ 54, 20.037, 21.695

■ 56, 25.139, 22.296

■ 57, 30.235, 22.896

Harmonies

Complementary

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



47, 12.979, 198.004



39, 15.731, 21.707

Rectangle

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



47, 12.979, 198.004



47, 12.979, 248.004



47, 12.979, 18.004



47, 12.979, 68.004

Sweetspot

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



47, 12.979, 198.000



62, 5.178, 199.012



46, 25.155, 142.097



32, 3.566, 198.943



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 12.979, 198.000



60, 18.951, 197.706



42, 11.992, 257.922



24, 2.606, 199.024



46, 29.111, 196.385



89, 49.354, 196.384

Inverse Universe

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



39, 15.731, 21.707



47, 24.212, 22.584



44, 13.068, 70.148



23, 2.751, 19.863



24, 59.042, 37.988



52, 102.986, 40.000

Previews

White Background



This preview shows how the CIELCh color 47, 12.979, 198.004 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 CIE LCh color 47, 12.979, 198.004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

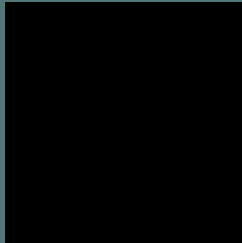
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 12.979, 198.004

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.979, 198.004.



This preview shows how white text looks on a background with the CIELCh color 47, 12.979, 198.004.

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, 12.979, 198.004

Protanopia

47, 1.968, 314.715

Deuteranopia

47, 8.196, 320.213



Tritanopia
47, 12.461, 226.919

Trichromacy



Original Color
47, 12.979, 198.004

Protanomaly
47, 4.836, 213.182

Deuteranomaly
47, 4.915, 256.950

Tritanomaly
47, 12.417, 214.920

Monochromacy



Original Color
47, 12.979, 198.004

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 5.149, 198.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.979, 198.004 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(83, 118, 118)` looks like.

```
.text, #text, p{  
    color:rgb(83, 118, 118)  
}
```

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(83, 118, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 118, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.979, 198.004 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(83, 118, 118) }
```

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

```
.border{ border-color:rgb(83, 118, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 118, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 118, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 118, 118);  
box-shadow:4px 4px 4px 4px rgb(83, 118,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.979, 198.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 118, 118) }
```

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

```
.background{ background-color: rgb(83, 118,  
118) }
```

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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