

Converting Colors

CIELCh(47, 19.810, 103.435)

Have a look what the booklet for
CIELCh(47, 19.810, 103.435)
contains.

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Color

CIELCh(47, 19.890, 103.538)

Conversions

Conversions Part 1

Format	Color
Hex	74714F
RGB	116, 113, 79
RGB Percent	45%, 44%, 31%
CMY	0.5460, 0.5577, 0.6910
CMYK	0.00, 0.03, 0.32, 0.55
HSL	55°, 19%, 38%
HSV	55°, 32%, 45%
XYZ	14.4562, 16.0195, 9.6868
YIQ	110.0210, 12.7020, -9.9380

Conversions

Conversions Part 2

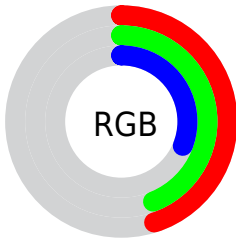
Format	Color
R_{YB}	82, 116, 79
Decimal	7631183
CIE _{Lab}	47.00, -4.66, 19.34
CIE _{LCh}	47, 19.890, 103.538
Yxy	16.0195, 0.3599, 0.3989
Android (android.graphics.Color)	4285821263 (0xFF74714F)
YUV	110.0210, -15.2934, 5.2436
Hunter-Lab	40.0243, -5.5711, 13.6674

Details

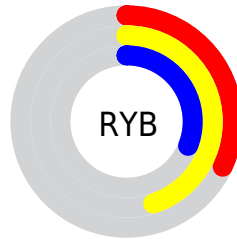
The CIELCh color $47, 19.890, 103.538$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $36, 21.144, 290.667$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 20.299, 103.401$, and $27, 19.682, 103.200$ is the 20% darker color. If you saturate the color by 10%, you get $47, 25.965, 102.542$, and if you desaturate by 10%, it is $48, 13.704, 104.545$.

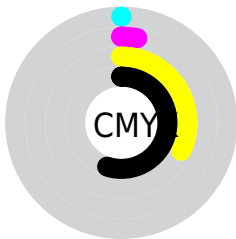
Distribution



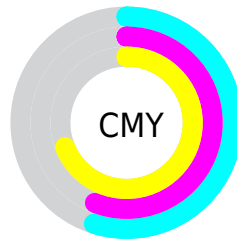
- Red (45%)
- Green (44%)
- Blue (31%)



- Red (32%)
- Yellow (45%)
- Blue (31%)



- Cyan (0%)
- Magenta (3%)
- Yellow (32%)
- Black (55%)




- Cyan (55%)
- Magenta (56%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 19.890, 103.538 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, 19.890, 103.538 by changing the saturation by 10% instead.


 47, 19.890,
103.538


 47, 19.890,
103.538


 100, 19.890,
103.538


 37, 19.890,
103.538

 67, 19.890,
103.538


 27, 19.890,
103.538

 77, 19.890,
103.538

 17, 19.890,
103.538


 87, 19.890,
103.538

 7, 19.890, 103.538

 97, 19.890,
103.538

 0, 19.890, 103.538

 47, 19.890,

 47, 19.890,

103.538

103.538

■ 47, 25.965,
102.542

■ 48, 13.704,
104.545

■ 46, 31.832,
101.560

■ 48, 7.465, 105.537

■ 46, 37.343,
100.614

■ 49, 1.210, 106.470

■ 49, 5.037, 287.489

■ 45, 42.281, 99.724

■ 50, 11.260,
288.402

■ 45, 46.348, 98.910

■ 45, 49.221, 98.185

■ 51, 17.451,
289.284

■ 44, 51.166, 97.640

■ 51, 23.602,
290.129

■ 52, 29.710,
290.934

■ 53, 35.771,

Harmonies

Complementary

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



47, 19.890, 103.538



36, 21.144, 290.667

Rectangle

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



47, 19.890, 103.538



47, 19.890, 153.538



47, 19.890, 283.538



47, 19.890, 333.538

Sweetspot

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



47, 19.891, 103.542



62, 7.744, 105.702



38, 16.664, 15.575



32, 5.325, 105.594



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, 19.891, 103.542



60, 29.216, 102.838



47, 22.597, 124.595



24, 3.554, 105.820



47, 53.229, 97.607



90, 89.982, 97.293

Inverse Universe

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



36, 21.144, 290.667



43, 31.590, 291.823



36, 23.773, 307.780



22, 3.616, 287.653



13, 73.467, 304.714



33, 128.164, 305.519

Previews

White Background



This preview shows how the CIELCh color 47, 19.890, 103.538 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, 19.890, 103.538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

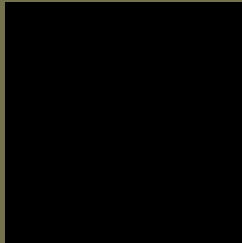
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 19.890, 103.538

Background



This preview shows how black text looks on a background with the CIELCh color 47, 19.890, 103.538.



This preview shows how white text looks on a background with the CIELCh color 47, 19.890, 103.538.

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, 19.890, 103.538

Protanopia

47, 19.769, 95.562

Deuteranopia

47, 19.779, 72.638



Tritanopia
47, 6.820, 336.304

Trichromacy



Original Color
47, 19.890, 103.538

Protanomaly
47, 20.062, 99.640

Deuteranomaly
47, 18.805, 83.519

Tritanomaly
47, 5.804, 73.801

Monochromacy



Original Color
47, 19.890, 103.538

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 7.087, 105.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 19.890, 103.538 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(116, 113, 79)` looks like.

```
.text, #text, p{  
    color:rgb(116, 113, 79)  
}
```

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(116, 113, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 113, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 19.890, 103.538 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(116, 113, 79) }
```

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

```
.border{ border-color:rgb(116, 113, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 113, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 113, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 113, 79);  
box-shadow:4px 4px 4px 4px rgb(116, 113,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 19.890, 103.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 113, 79) }
```

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

```
.background{ background-color: rgb(116,  
113, 79) }
```

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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