

Converting Colors

CIELCh(47, 12.736, 279.001)

Have a look what the booklet for
CIELCh(47, 12.736, 279.001)
contains.

CIELCh(47, 12.636, 280.008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 12.636, 280.008)

Conversions

Conversions Part 1

Format	Color
Hex	686F84
RGB	104, 111, 132
RGB Percent	41%, 44%, 52%
CMY	0.5916, 0.5642, 0.4818
CMYK	0.21, 0.16, 0.00, 0.48
HSL	225°, 12%, 46%
HSV	225°, 21%, 52%
XYZ	15.5984, 16.0195, 24.1501
YIQ	111.3010, -10.9130, 5.0470

Conversions

Conversions Part 2

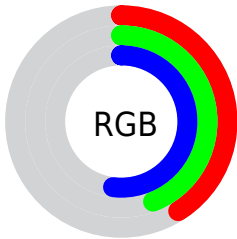
Format	Color
R_{YB}	104, 110, 132
Decimal	6844292
CIE _{Lab}	47.00, 2.20, -12.44
CIE _{LCh}	47, 12.636, 280.008
Yxy	16.0195, 0.2797, 0.2873
Android (android.graphics.Color)	4285034372 (0xFF686F84)
YUV	111.3010, 10.2046, -6.4030
Hunter-Lab	40.0243, -0.4770, -7.7578

Details

The CIELCh color $47, 12.636, 280.008$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 12.463, 94.772$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 12.416, 278.233$, and $27, 13.229, 280.972$ is the 20% darker color. If you saturate the color by 10%, you get $43, 18.828, 281.642$, and if you desaturate by 10%, it is $51, 6.596, 278.603$.

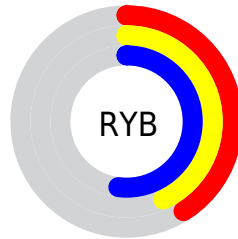
Distribution



Red (41%)

Green (44%)

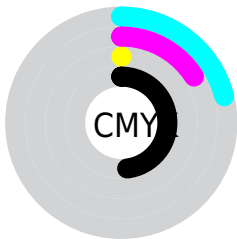
Blue (52%)



Red (41%)

Yellow (43%)

Blue (52%)

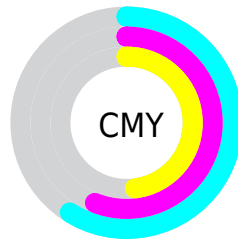


Cyan (21%)

Magenta (16%)

Yellow (0%)

Black (48%)



Cyan (59%)

Magenta (56%)

Yellow (48%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 12.636, 280.008 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, 12.636, 280.008 by changing the saturation by 10% instead.

 47, 12.636,
280.008

 47, 12.636,
280.008

 100, 12.636,
280.008


 37, 12.636,
280.008

 67, 12.636,
280.008


 27, 12.636,
280.008

 77, 12.636,
280.008


 17, 12.636,
280.008


 87, 12.636,
280.008

 7, 12.636, 280.008

 97, 12.636,
280.008

 0, 12.636, 280.008

 47, 12.636,

 47, 12.636,

280.008

280.008

■ 43, 18.828,
281.642

■ 51, 6.596, 278.603

■ 39, 25.188,
283.546

■ 55, 0.701, 277.560

■ 35, 31.735,
285.748

■ 59, 5.059, 96.281

■ 32, 38.488,
288.264

■ 62, 10.687, 95.376

■ 28, 45.452,
291.078

■ 66, 16.190, 94.574

■ 25, 52.591,
294.119

■ 70, 21.569, 93.866

■ 22, 59.758,
297.241

■ 74, 26.830, 93.237

■ 19, 65.889,
299.735

■ 77, 31.976, 92.676

■ 81, 37.010, 92.173

Harmonies

Complementary

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



47, 12.636, 280.008



53, 12.463, 94.772

Rectangle

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



47, 12.636, 280.008



47, 12.636, 330.008



47, 12.636, 100.008



47, 12.636, 150.008

Sweetspot

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



47, 12.635, 280.005



67, 4.340, 277.982



53, 11.535, 177.620



35, 2.902, 278.044



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



47, 12.635, 280.005



58, 18.484, 280.689



46, 16.962, 301.344



26, 3.326, 278.342



19, 65.034, 299.686



0, 0.789, 277.233

Inverse Universe

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



47, 12.376, 1.607



58, 18.164, 2.139



54, 16.267, 118.630



26, 3.218, 0.283



26, 53.988, 23.627



0, 0.756, 359.514

Previews

White Background



This preview shows how the CIELCh color 47, 12.636, 280.008 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, 12.636, 280.008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

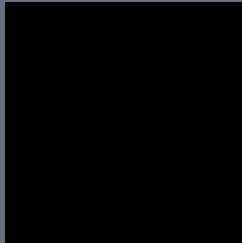
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

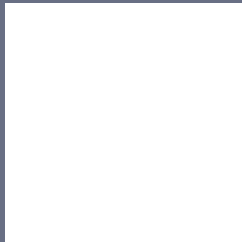
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 12.636, 280.008

Background



This preview shows how black text looks on a background with the CIELCh color 47, 12.636, 280.008.

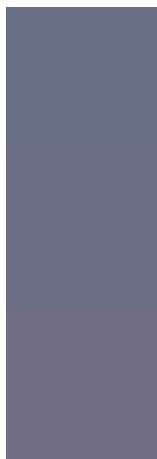


This preview shows how white text looks on a background with the CIELCh color 47, 12.636, 280.008.

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

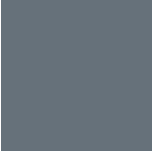
47, 12.636, 280.008

Protanopia

47, 13.061, 287.024

Deuteranopia

47, 14.296, 296.606



Tritanopia
47, 6.708, 251.897

Trichromacy



Original Color
47, 12.636, 280.008

Protanomaly
47, 13.090, 285.412

Deuteranomaly
47, 13.623, 290.441

Tritanomaly
47, 8.877, 268.720

Monochromacy



Original Color
47, 12.636, 280.008

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.791, 281.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 12.636, 280.008 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(104, 111, 132)` looks like.

```
.text, #text, p{  
    color:rgb(104, 111, 132)  
}
```

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(104, 111, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 111, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 12.636, 280.008 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(104, 111, 132) }
```

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

```
.border{ border-color:rgb(104, 111, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 111, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 111, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 111, 132);  
box-shadow:4px 4px 4px 4px rgb(104, 111,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 12.636, 280.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 111, 132) }
```

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

```
.background{ background-color: rgb(104,  
111, 132) }
```

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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