

Converting Colors

CIELCh(47, 16.482, 272.741)

Have a look what the booklet for
CIELCh(47, 16.482, 272.741)
contains.

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Color

CIELCh(47, 16.660, 273.723)

Conversions

Conversions Part 1

Format	Color
Hex	61708B
RGB	97, 112, 139
RGB Percent	38%, 44%, 55%
CMY	0.6193, 0.5604, 0.4546
CMYK	0.30, 0.19, 0.00, 0.45
HSL	219°, 18%, 46%
HSV	219°, 30%, 55%
XYZ	15.4087, 16.0195, 26.7397
YIQ	110.5930, -17.6070, 5.2170

Conversions

Conversions Part 2

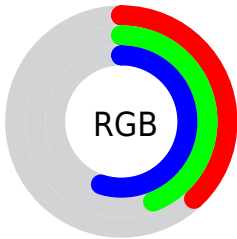
Format	Color
R_{YB}	97, 108, 139
Decimal	6385803
CIE _{Lab}	47.00, 1.08, -16.62
CIE _{LCh}	47, 16.660, 273.723
Yxy	16.0195, 0.2649, 0.2754
Android (android.graphics.Color)	4284575883 (0xFF61708B)
YUV	110.5930, 14.0047, -11.9211
Hunter-Lab	40.0243, -1.3230, -11.5939

Details

The CIELCh color $47, 16.660, 273.723$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $53, 16.919, 85.379$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 16.675, 273.829$, and $27, 16.910, 274.838$ is the 20% darker color. If you saturate the color by 10%, you get $43, 22.314, 275.742$, and if you desaturate by 10%, it is $51, 11.076, 271.991$.

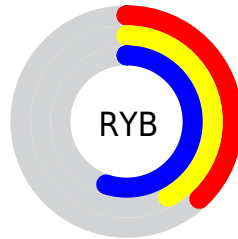
Distribution



Red (38%)

Green (44%)

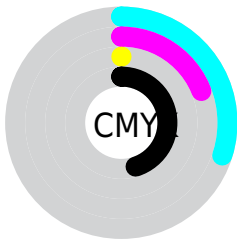
Blue (55%)



Red (38%)

Yellow (42%)

Blue (55%)

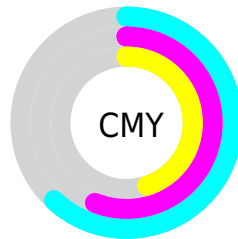


Cyan (30%)

Magenta (19%)

Yellow (0%)

Black (45%)



Cyan (62%)


Magenta (56%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 16.660, 273.723 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, 16.660, 273.723 by changing the saturation by 10% instead.


 47, 16.660,
273.723


 47, 16.660,
273.723


 100, 16.660,
273.723


 37, 16.660,
273.723

 67, 16.660,
273.723


 27, 16.660,
273.723

 77, 16.660,
273.723

 17, 16.660,
273.723

 87, 16.660,
273.723

 7, 16.660, 273.723

 97, 16.660,
273.723

 0, 16.660, 273.723

 47, 16.660,

 47, 16.660,

273.723

273.723

■ 43, 22.314,
275.742

■ 51, 11.076,
271.991

■ 40, 28.050,
278.094

■ 54, 5.561, 270.517

■ 36, 33.887,
280.805

■ 58, 0.114, 270.926

■ 61, 5.262, 88.047

■ 33, 39.853,
283.882

■ 65, 10.565, 87.096

■ 30, 45.972,
287.283

■ 69, 15.792, 86.252

■ 72, 20.941, 85.505

■ 27, 52.244,
290.899

■ 76, 26.010, 84.841

■ 24, 58.497,
294.311

■ 79, 30.998, 84.246

Harmonies

Complementary

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



47, 16.660, 273.723



53, 16.919, 85.379

Rectangle

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



47, 16.660, 273.723



47, 16.660, 323.723



47, 16.660, 93.723



47, 16.660, 143.723

Sweetspot

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



47, 16.659, 273.721



70, 6.083, 270.384



55, 18.319, 168.643



36, 4.263, 270.559



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



47, 16.659, 273.721



58, 24.728, 275.016



43, 25.426, 298.171



27, 3.050, 270.377



23, 56.235, 294.132



0, 1.409, 269.179

Inverse Universe

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



46, 19.493, 355.235



56, 28.973, 356.121



56, 23.746, 113.159



27, 3.505, 352.887



27, 52.479, 14.135



0, 1.602, 352.121

Previews

White Background



This preview shows how the CIE LCh color 47, 16.660, 273.723 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, 16.660, 273.723 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

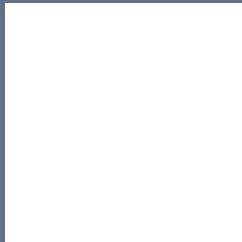
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 16.660, 273.723

Background



This preview shows how black text looks on a background with the CIELCh color 47, 16.660, 273.723.



This preview shows how white text looks on a background with the CIELCh color 47, 16.660, 273.723.

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, 16.660, 273.723

Protanopia

47, 16.639, 286.151

Deuteranopia

47, 18.375, 290.387



Tritanopia
47, 9.334, 233.674

Trichromacy



Original Color
47, 16.660, 273.723

Protanomaly
47, 16.214, 280.793

Deuteranomaly
47, 17.879, 284.510

Tritanomaly
47, 11.095, 252.394

Monochromacy



Original Color
47, 16.660, 273.723

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 6.196, 272.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 16.660, 273.723 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(97, 112, 139)` looks like.

```
.text, #text, p{  
    color:rgb(97, 112, 139)  
}
```

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(97, 112, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 112, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 16.660, 273.723 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(97, 112, 139) }
```

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

```
.border{ border-color:rgb(97, 112, 139) }
```

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

Here you see how a box with a 4 pixel rgb(97, 112, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 112, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 112, 139);  
box-shadow:4px 4px 4px 4px rgb(97, 112,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 16.660, 273.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 112, 139) }
```

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

```
.background{ background-color: rgb(97, 112,  
139) }
```

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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