

Converting Colors

CIELCh(47, 17.637, 276.792)

Have a look what the booklet for
CIELCh(47, 17.637, 276.792)
contains.

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Color

CIELCh(47, 17.683, 276.275)

Conversions

Conversions Part 1

Format	Color
Hex	62708D
RGB	98, 112, 141
RGB Percent	38%, 44%, 55%
CMY	0.6168, 0.5619, 0.4482
CMYK	0.31, 0.21, 0.00, 0.45
HSL	220°, 18%, 47%
HSV	220°, 31%, 55%
XYZ	15.5534, 16.0195, 27.3543
YIQ	111.1200, -17.6530, 6.0510

Conversions

Conversions Part 2

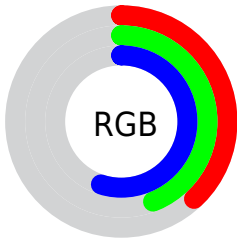
Format	Color
R _Y B	98, 109, 141
Decimal	6451341
CIE Lab	47.00, 1.93, -17.58
CIE LCh	47, 17.683, 276.275
Yxy	16.0195, 0.2639, 0.2719
Android (android.graphics.Color)	4284641421 (0xFF62708D)
YUV	111.1200, 14.7308, -11.5062
Hunter-Lab	40.0243, -0.6775, -12.5042

Details

The CIELCh color $47, 17.683, 276.275$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $54, 17.748, 87.932$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 17.634, 276.170$, and $27, 18.041, 277.598$ is the 20% darker color. If you saturate the color by 10%, you get $43, 23.670, 278.273$, and if you desaturate by 10%, it is $51, 11.799, 274.559$.

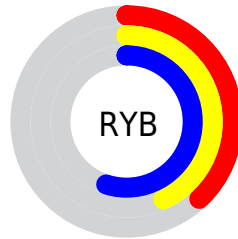
Distribution



Red (38%)

Green (44%)

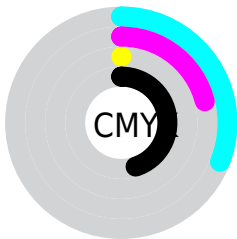
Blue (55%)



Red (38%)

Yellow (43%)

Blue (55%)

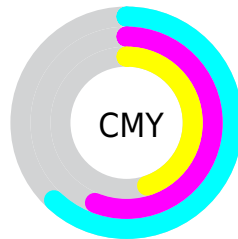


Cyan (31%)

Magenta (21%)

Yellow (0%)

Black (45%)



Cyan (62%)


Magenta (56%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 17.683, 276.275 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, 17.683, 276.275 by changing the saturation by 10% instead.


 47, 17.683,
276.275


 47, 17.683,
276.275


 100, 17.683,
276.275


 37, 17.683,
276.275

 67, 17.683,
276.275


 27, 17.683,
276.275

 77, 17.683,
276.275

 17, 17.683,
276.275

 87, 17.683,
276.275

 7, 17.683, 276.275

 97, 17.683,
276.275

 0, 17.683, 276.275

 47, 17.683,

 47, 17.683,

276.275

■ 43, 23.670,
278.273

■ 40, 29.775,
280.594

■ 36, 36.020,
283.263

■ 32, 42.430,
286.279

■ 29, 49.017,
289.591

■ 26, 55.746,
293.078

■ 23, 62.143,
296.207

276.275

■ 51, 11.799,
274.559

■ 55, 6.012, 273.096

■ 58, 0.319, 272.362

■ 62, 5.282, 90.653

■ 66, 10.789, 89.708

■ 70, 16.203, 88.870

■ 73, 21.523, 88.128

■ 77, 26.750, 87.468

■ 81, 31.883, 86.878

Harmonies

Complementary

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



47, 17.683, 276.275



54, 17.748, 87.932

Rectangle

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



47, 17.683, 276.275



47, 17.683, 326.275



47, 17.683, 96.275



47, 17.683, 146.275

Sweetspot

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



47, 17.682, 276.274



70, 6.365, 272.917



55, 18.245, 170.771



36, 4.411, 273.088



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, 17.682, 276.274



57, 26.771, 277.692



44, 26.031, 299.329



28, 3.253, 272.916



22, 60.116, 296.067



1, 2.183, 271.732

Inverse Universe

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



46, 19.644, 357.425



56, 29.768, 358.445



57, 24.322, 114.555



28, 3.552, 354.978



28, 53.734, 17.160



0, 2.359, 354.198

Previews

White Background



This preview shows how the CIELCh color 47, 17.683, 276.275 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, 17.683, 276.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

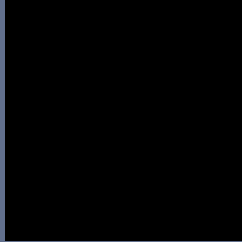
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

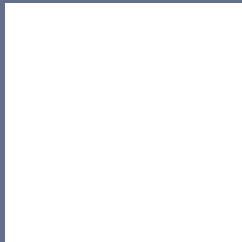
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 17.683, 276.275

Background



This preview shows how black text looks on a background with the CIELCh color 47, 17.683, 276.275.

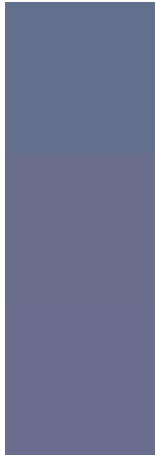


This preview shows how white text looks on a background with the CIELCh color 47, 17.683, 276.275.

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, 17.683, 276.275

Protanopia

47, 17.842, 285.631

Deuteranopia

47, 18.975, 289.467



Tritanopia
47, 9.334, 233.674

Trichromacy



Original Color
47, 17.683, 276.275

Protanomaly
47, 17.366, 281.807

Deuteranomaly
47, 18.461, 284.874

Tritanomaly
47, 11.542, 254.417

Monochromacy



Original Color
47, 17.683, 276.275

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 6.758, 274.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 17.683, 276.275 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(98, 112, 141)` looks like.

```
.text, #text, p{  
    color:rgb(98, 112, 141)  
}
```

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(98, 112, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 112, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 17.683, 276.275 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(98, 112, 141) }
```

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

```
.border{ border-color:rgb(98, 112, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 112, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 112, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 112, 141);  
box-shadow:4px 4px 4px 4px rgb(98, 112,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 17.683, 276.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 112, 141) }
```

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

```
.background{ background-color: rgb(98, 112,  
141) }
```

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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