

Converting Colors

CIELCh(47, 45.560, 274.685)

Have a look what the booklet for
CIELCh(47, 45.560, 274.685)
contains.

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Color

CIELCh(47, 45.528, 274.517)

Conversions

Conversions Part 1

Format	Color
Hex	2672BC
RGB	38, 114, 188
RGB Percent	15%, 45%, 74%
CMY	0.8523, 0.5537, 0.2636
CMYK	0.80, 0.39, 0.00, 0.26
HSL	210°, 67%, 44%
HSV	210°, 80%, 74%
XYZ	15.8371, 16.0195, 49.7157
YIQ	99.7120, -69.0500, 6.9020

Conversions

Conversions Part 2

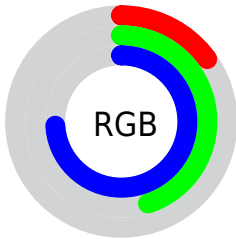
Format	Color
R_{YB}	38, 88, 188
Decimal	2519740
CIE Lab	47.00, 3.59, -45.39
CIE LCh	47, 45.528, 274.517
Yxy	16.0195, 0.1941, 0.1964
Android (android.graphics.Color)	4280709820 (0xFF2672BC)
YUV	99.7120, 43.5260, -54.1214
Hunter-Lab	40.0243, 0.5878, -45.6294

Details

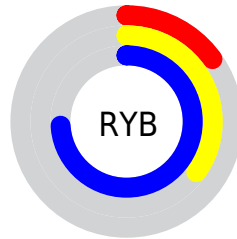
The CIELCh color **47, 45.528, 274.517** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **54, 56.734, 64.355**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 45.852, 275.024**, and **29, 43.624, 282.761** is the 20% darker color. If you saturate the color by 10%, you get **44, 50.971, 278.906**, and if you desaturate by 10%, it is **50, 40.144, 270.520**.

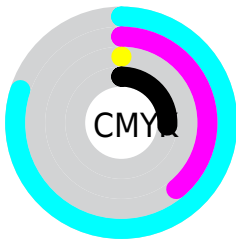
Distribution



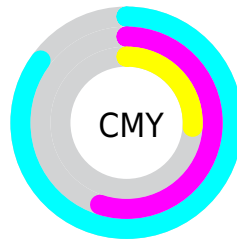
- Red (15%)
- Green (45%)
- Blue (74%)



- Red (15%)
- Yellow (35%)
- Blue (74%)



- Cyan (80%)
- Magenta (39%)
- Yellow (0%)
- Black (26%)



- Cyan (85%)
- Magenta (55%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 45.528, 274.517 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, 45.528, 274.517 by changing the saturation by 10% instead.

■ 47, 45.528,
274.517

■ 47, 45.528,
274.517

■ 100, 45.528,
274.517

■ 37, 45.528,
274.517

■ 67, 45.528,
274.517

■ 27, 45.528,
274.517

■ 77, 45.528,
274.517

■ 17, 45.528,
274.517

■ 87, 45.528,
274.517

■ 7, 45.528, 274.517

■ 97, 45.528,
274.517

■ 0, 45.528, 274.517

■ 47, 45.528,

■ 47, 45.528,

274.517

■ 44, 50.971,
278.906

■ 41, 56.589,
283.383

■ 41, 56.622,
283.407

274.517

■ 50, 40.144,
270.520

■ 54, 34.729,
267.001

■ 57, 29.222,
263.977

■ 61, 23.592,
261.416

■ 65, 17.834,
259.264

■ 68, 11.963,
257.463

■ 72, 6.001, 255.970

■ 76, 0.028, 61.981

Harmonies

Complementary

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



47, 45.528, 274.517



54, 56.734, 64.355

Rectangle

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



47, 45.528, 274.517



47, 45.528, 324.517



47, 45.528, 94.517



47, 45.528, 144.517

Sweetspot

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



47, 45.527, 274.518



85, 17.802, 258.225



68, 62.399, 152.575



44, 12.194, 258.882



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



47, 45.527, 274.518



54, 67.389, 282.405



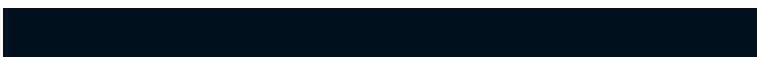
28, 90.818, 303.346



38, 3.435, 255.892



34, 49.219, 282.761



4, 11.470, 267.836

Inverse Universe

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



43, 63.208, 354.518



53, 81.780, 0.482



73, 69.864, 102.522



37, 5.004, 343.987



34, 59.427, 0.768



3, 14.006, 351.183

Previews

White Background



This preview shows how the CIE LCh color 47, 45.528, 274.517 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 CIELCh color 47, 45.528, 274.517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

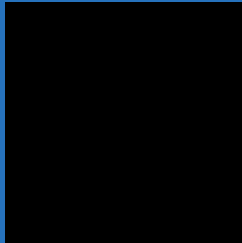
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 45.528, 274.517

Background



This preview shows how black text looks on a background with the CIELCh color 47, 45.528, 274.517.



This preview shows how white text looks on a background with the CIELCh color 47, 45.528, 274.517.

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, 45.528, 274.517

Protanopia

47, 44.568, 286.342

Deuteranopia

47, 45.988, 278.761



Tritanopia
47, 28.236, 207.659

Trichromacy



Original Color
47, 45.528, 274.517

Protanomaly
47, 45.090, 281.271

Deuteranomaly
47, 45.669, 276.953

Tritanomaly
47, 29.439, 238.097

Monochromacy



Original Color
47, 45.528, 274.517

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 18.288, 262.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 45.528, 274.517 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(38, 114, 188)` looks like.

```
.text, #text, p{  
    color:rgb(38, 114, 188)  
}
```

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(38, 114, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 114, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 45.528, 274.517 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(38, 114, 188) }
```

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

```
.border{ border-color:rgb(38, 114, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 114, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 114, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 114, 188);  
box-shadow:4px 4px 4px 4px rgb(38, 114,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 45.528, 274.517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 114, 188) }
```

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

```
.background{ background-color: rgb(38, 114,  
188) }
```

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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