

Converting Colors

CIELCh(47, 42.313, 271.889)

Have a look what the booklet for
CIELCh(47, 42.313, 271.889)
contains.

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Color

CIELCh(47, 41.894, 271.263)

Conversions

Conversions Part 1

Format	Color
Hex	2873B6
RGB	40, 115, 182
RGB Percent	16%, 45%, 71%
CMY	0.8446, 0.5499, 0.2873
CMYK	0.78, 0.37, 0.00, 0.29
HSL	208°, 64%, 43%
HSV	208°, 78%, 71%
XYZ	15.3819, 16.0195, 46.4001
YIQ	100.2130, -66.2070, 4.9370

Conversions

Conversions Part 2

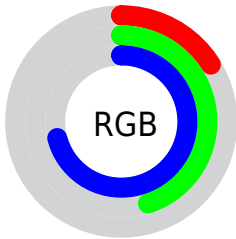
Format	Color
R_{YB}	40, 89, 182
Decimal	2651062
CIE _{Lab}	47.00, 0.92, -41.88
CIE _{LCh}	47, 41.894, 271.263
Yxy	16.0195, 0.1977, 0.2059
Android (android.graphics.Color)	4280841142 (0xFF2873B6)
YUV	100.2130, 40.3210, -52.8068
Hunter-Lab	40.0243, -1.4426, -40.7177




Details

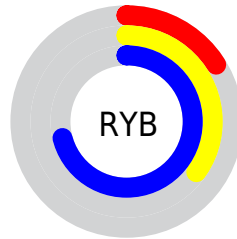
The CIELCh color **47, 41.894, 271.263** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **52, 54.168, 62.747**, and the grayscale version is **42, 0.006, 296.813**.




A 20% lighter version of the original color is **67, 41.567, 270.690**, and **29, 40.082, 279.726** is the 20% darker color. If you saturate the color by 10%, you get **44, 46.811, 275.648**, and if you desaturate by 10%, it is **50, 36.975, 267.323**.

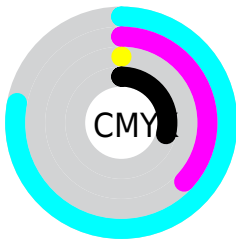
Distribution







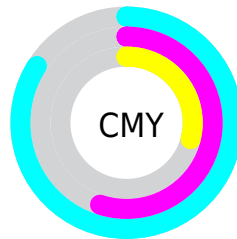
-  Red (16%)
-  Green (45%)
-  Blue (71%)






-  Red (16%)
-  Yellow (35%)
-  Blue (71%)



-  Cyan (78%)
-  Magenta (37%)
-  Yellow (0%)
-  Black (29%)



-  Cyan (84%)
-  Magenta (55%)
-  Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 41.894, 271.263 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, 41.894, 271.263 by changing the saturation by 10% instead.


 47, 41.894,
271.263


 47, 41.894,
271.263

 100, 41.894,
271.263


 37, 41.894,
271.263

 67, 41.894,
271.263


 27, 41.894,
271.263

 77, 41.894,
271.263

 17, 41.894,
271.263

 87, 41.894,
271.263

 7, 41.894, 271.263

 97, 41.894,
271.263

 0, 41.894, 271.263

 47, 41.894,

 47, 41.894,

271.263

■ 44, 46.811,
275.648

■ 41, 51.847,
280.254

■ 41, 52.783,
281.037

271.263

■ 50, 36.975,
267.323

■ 53, 31.970,
263.892

■ 57, 26.824,
260.967

■ 60, 21.517,
258.506

■ 64, 16.054,
256.448

■ 67, 10.456,
254.734

■ 71, 4.748, 253.328

■ 75, 1.040, 71.683

Harmonies

Complementary

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



47, 41.894, 271.263



52, 54.168, 62.747

Rectangle

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



47, 41.894, 271.263



47, 41.894, 321.263



47, 41.894, 91.263



47, 41.894, 141.263

Sweetspot

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



47, 41.893, 271.264



83, 16.329, 255.584



66, 60.794, 152.141



43, 11.355, 256.226



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



47, 41.893, 271.264



55, 61.657, 279.086



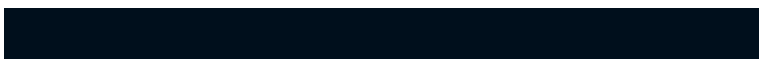
28, 85.269, 302.496



37, 3.305, 253.472



35, 46.517, 280.421



4, 9.943, 264.921

Inverse Universe

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



42, 61.459, 352.416



52, 80.088, 357.682



71, 66.380, 101.715



36, 4.964, 342.839



33, 59.023, 358.722



3, 12.415, 349.134

Previews

White Background



This preview shows how the CIELCh color 47, 41.894, 271.263 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, 41.894, 271.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

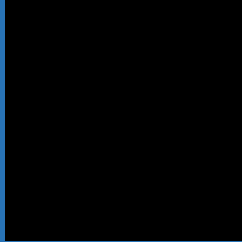
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 41.894, 271.263

Background



This preview shows how black text looks on a background with the CIELCh color 47, 41.894, 271.263.



This preview shows how white text looks on a background with the CIELCh color 47, 41.894, 271.263.

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, 41.894, 271.263

Protanopia

47, 39.869, 285.325

Deuteranopia

47, 43.430, 279.923



Tritanopia
47, 28.189, 208.950

Trichromacy



Original Color
47, 41.894, 271.263

Protanomaly
47, 40.566, 278.934

Deuteranomaly
47, 43.267, 277.087

Tritanomaly
47, 29.195, 236.945

Monochromacy



Original Color
47, 41.894, 271.263

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 17.292, 259.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 41.894, 271.263 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(40, 115, 182)` looks like.

```
.text, #text, p{  
    color:rgb(40, 115, 182)  
}
```

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(40, 115, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 115, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 41.894, 271.263 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(40, 115, 182) }
```

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

```
.border{ border-color:rgb(40, 115, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 115, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 115, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 115, 182);  
box-shadow:4px 4px 4px 4px rgb(40, 115,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 41.894, 271.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 115, 182) }
```

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

```
.background{ background-color: rgb(40, 115,  
182) }
```

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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