

Converting Colors

CIELCh(44, 57.446, 252.429)

Have a look what the booklet for
CIELCh(44, 57.446, 252.429)
contains.

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Color

CIELCh(48, 48.294, 272.552)

Conversions

Conversions Part 1

Format	Color
Hex	0275C3
RGB	2, 117, 195
RGB Percent	1%, 46%, 76%
CMY	0.9918, 0.5395, 0.2335
CMYK	0.99, 0.40, 0.00, 0.23
HSL	204°, 98%, 39%
HSV	204°, 99%, 77%
XYZ	16.3388, 16.7945, 54.2882
YIQ	91.5070, -93.5780, -0.1220

Conversions

Conversions Part 2

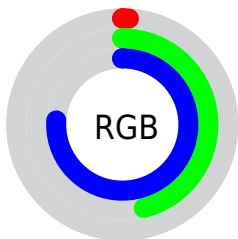
Format	Color
RYB	2, 74, 195
Decimal	161219
CIELab	48.00, 2.15, -48.25
CIElCh	48, 48.294, 272.552
Yxy	16.7945, 0.1869, 0.1921
Android (android.graphics.Color)	4278351299 (0xFF0275C3)
YUV	91.5070, 51.0220, -78.4976
Hunter-Lab	40.9810, -0.5502, -49.8556

Details

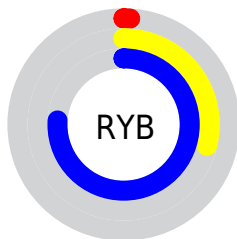
The CIELCh color **48, 48.294, 272.552** is a dark color, and the websafe version is hex **336699**. The color can be described as dark washed azure. A complement of this color would be **49, 72.574, 53.395**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 48.073, 272.257**, and **30, 45.797, 283.349** is the 20% darker color. If you saturate the color by 10%, you get **48, 48.741, 273.054**, and if you desaturate by 10%, it is **51, 44.233, 267.642**.

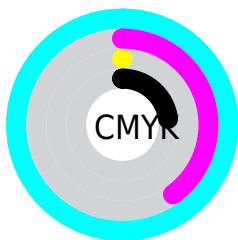
Distribution



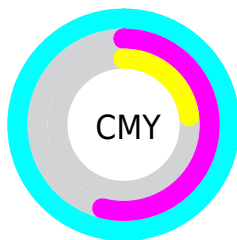
- Red (1%)
- Green (46%)
- Blue (76%)



- Red (1%)
- Yellow (29%)
- Blue (76%)



- Cyan (99%)
- Magenta (40%)
- Yellow (0%)
- Black (23%)




- Cyan (99%)
- Magenta (54%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 48.294, 272.552 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 48, 48.294, 272.552 by changing the saturation by 10% instead.


 48, 48.294,
272.552

 48, 48.294,
272.552


 100, 48.294,
272.552

 38, 48.294,
272.552

 68, 48.294,
272.552

 28, 48.294,
272.552

 78, 48.294,
272.552

 18, 48.294,
272.552

 88, 48.294,
272.552

 8, 48.294, 272.552

 98, 48.294,
272.552

 0, 48.294, 272.552

 48, 48.294,

 48, 48.294,

272.552

■ 48, 48.741,
273.054

272.552

■ 51, 44.233,
267.642

■ 53, 40.199,
263.047

■ 56, 36.024,
258.998

■ 59, 31.606,
255.541

■ 62, 26.891,
252.648

■ 66, 21.873,
250.257

■ 69, 16.571,
248.295

■ 72, 11.025,
246.691

Harmonies

Complementary

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



48, 48.294, 272.552



49, 72.574, 53.395

Rectangle

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



48, 48.294, 272.552



48, 48.294, 322.552



48, 48.294, 92.552



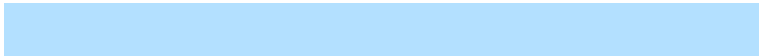
48, 48.294, 142.552

Sweetspot

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



48, 48.293, 272.553



87, 21.260, 248.572



69, 79.865, 144.775



45, 14.388, 249.390



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 48.293, 272.553



61, 60.320, 273.918



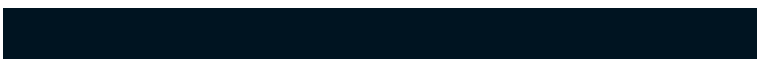
25, 103.972, 304.877



39, 3.322, 245.450



39, 41.654, 272.259



5, 11.563, 259.735

Inverse Universe

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



43, 71.307, 353.031



56, 86.959, 353.902



71, 73.733, 96.047



38, 5.440, 339.466



35, 61.879, 352.841



3, 16.825, 346.483

Previews

White Background



This preview shows how the CIE LCh color 48, 48.294, 272.552 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 48, 48.294, 272.552 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 48, 48.294, 272.552

Background



This preview shows how black text looks on a background with the CIELCh color 48, 48.294, 272.552.



This preview shows how white text looks on a background with the CIELCh color 48, 48.294, 272.552.

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





Tritanopia
48, 28.740, 207.411

Trichromacy



Original Color
48, 48.270, 272.638

Protanomaly
47, 47.158, 278.596

Deuteranomaly
48, 48.792, 275.681

Tritanomaly
48, 30.793, 238.645

Monochromacy



Original Color
48, 48.270, 272.638

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 21.417, 254.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 48.294, 272.552 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(2, 117, 195)` looks like.

```
.text, #text, p{  
    color:rgb(2, 117, 195)  
}
```

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(2, 117, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 117, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 48.294, 272.552 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(2, 117, 195) }
```

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

```
.border{ border-color:rgb(2, 117, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 117, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 117, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 117, 195);  
box-shadow:4px 4px 4px 4px rgb(2, 117,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 48.294, 272.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 117, 195) }
```

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

```
.background{ background-color: rgb(2, 117,  
195) }
```

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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