

Converting Colors

CIELCh(47, 49.747, 275.651)

Have a look what the booklet for
CIELCh(47, 49.747, 275.651)
contains.

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Color

CIELCh(47, 49.616, 275.463)

Conversions

Conversions Part 1

Format	Color
Hex	1172C3
RGB	17, 114, 195
RGB Percent	7%, 45%, 76%
CMY	0.9330, 0.5540, 0.2365
CMYK	0.91, 0.42, 0.00, 0.24
HSL	207°, 84%, 42%
HSV	207°, 91%, 76%
XYZ	16.0345, 16.0195, 53.6951
YIQ	94.2310, -83.8130, 4.6270

Conversions

Conversions Part 2

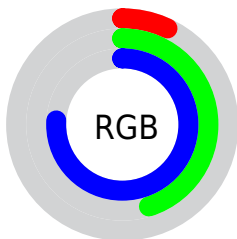
Format	Color
R_{YB}	17, 80, 195
Decimal	1143491
CIE _{Lab}	47.00, 4.72, -49.39
CIE _{LCh}	47, 49.616, 275.463
Yxy	16.0195, 0.1870, 0.1868
Android (android.graphics.Color)	4279333571 (0xFF1172C3)
YUV	94.2310, 49.6791, -67.7316
Hunter-Lab	40.0243, 1.4678, -51.5242

Details

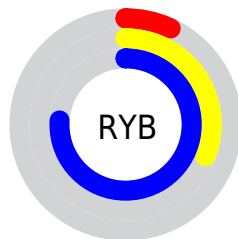
The CIELCh color **47, 49.616, 275.463** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **52, 66.422, 59.006**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 49.729, 275.647**, and **29, 47.743, 285.376** is the 20% darker color. If you saturate the color by 10%, you get **45, 54.080, 279.568**, and if you desaturate by 10%, it is **50, 44.670, 270.885**.

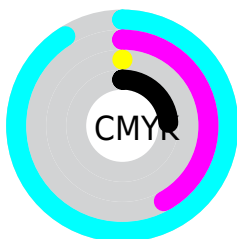
Distribution



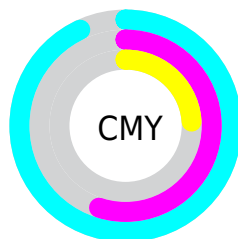
- Red (7%)
- Green (45%)
- Blue (76%)



- Red (7%)
- Yellow (31%)
- Blue (76%)



- Cyan (91%)
- Magenta (42%)
- Yellow (0%)
- Black (24%)



- Cyan (93%)
- Magenta (55%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 49.616, 275.463 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, 49.616, 275.463 by changing the saturation by 10% instead.

 47, 49.616,
275.463

 47, 49.616,
275.463

 100, 49.616,
275.463

 37, 49.616,
275.463

 67, 49.616,
275.463


 27, 49.616,
275.463

 77, 49.616,
275.463

 17, 49.616,
275.463

 87, 49.616,
275.463

 7, 49.616, 275.463

 97, 49.616,
275.463

 0, 49.616, 275.463

 47, 49.616,

 47, 49.616,

275.463

■ 45, 54.080,
279.568

275.463

■ 50, 44.670,
270.885

■ 53, 39.732,
266.735

■ 56, 34.695,
263.106

■ 60, 29.489,
260.009

■ 63, 24.085,
257.406

■ 67, 18.485,
255.235

■ 71, 12.708,
253.434

■ 74, 6.787, 251.950

Harmonies

Complementary

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



47, 49.616, 275.463



52, 66.422, 59.006

Rectangle

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



47, 49.616, 275.463



47, 49.616, 325.463



47, 49.616, 95.463



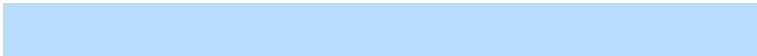
47, 49.616, 145.463

Sweetspot

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



47, 49.615, 275.464



87, 19.823, 254.509



69, 72.400, 148.586



45, 13.411, 255.172



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 49.615, 275.464



57, 66.719, 280.371



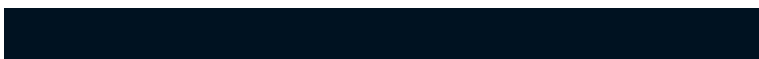
26, 101.586, 304.665



39, 3.419, 251.708



37, 46.287, 278.829



5, 12.224, 265.387

Inverse Universe

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



43, 68.963, 355.015



55, 84.744, 358.680



74, 74.519, 99.979



38, 5.246, 342.047



34, 60.682, 357.432



3, 16.248, 349.667

Previews

White Background



This preview shows how the CIELCh color 47, 49.616, 275.463 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, 49.616, 275.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

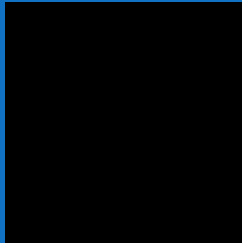
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 49.616, 275.463

Background



This preview shows how black text looks on a background with the CIELCh color 47, 49.616, 275.463.



This preview shows how white text looks on a background with the CIELCh color 47, 49.616, 275.463.

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
47, 28.236, 207.659

Trichromacy



Original Color
47, 49.632, 275.402

Protanomaly
47, 48.734, 281.066

Deuteranomaly
47, 49.921, 277.076

Tritanomaly
47, 30.527, 240.888

Monochromacy



Original Color
47, 49.632, 275.402

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 20.901, 259.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 49.616, 275.463 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(17, 114, 195)` looks like.

```
.text, #text, p{  
    color:rgb(17, 114, 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(17, 114, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 114, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 49.616, 275.463 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(17, 114, 195) }
```

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

```
.border{ border-color:rgb(17, 114, 195) }
```

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

Here you see how a box with a 4 pixel rgb(17, 114, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 114, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 114, 195);  
box-shadow:4px 4px 4px 4px rgb(17, 114,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 49.616, 275.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 114, 195) }
```

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

```
.background{ background-color: rgb(17, 114,  
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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