

Converting Colors

CIELCh(47, 37.554, 261.509)

Have a look what the booklet for
CIELCh(47, 37.554, 261.509)
contains.

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Color

CIELCh(47, 37.918, 262.279)

Conversions

Conversions Part 1

Format	Color
Hex	1675AE
RGB	22, 117, 174
RGB Percent	9%, 46%, 68%
CMY	0.9148, 0.5401, 0.3165
CMYK	0.88, 0.33, 0.00, 0.32
HSL	202°, 78%, 38%
HSV	202°, 88%, 68%
XYZ	14.3851, 16.0195, 42.5272
YIQ	95.0930, -74.9170, -2.4130

Conversions

Conversions Part 2

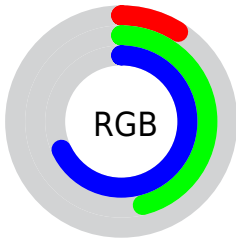
Format	Color
RYB	22, 80, 174
Decimal	1471918
CIELab	47.00, -5.09, -37.57
CIElCh	47, 37.918, 262.279
Yxy	16.0195, 0.1972, 0.2196
Android (android.graphics.Color)	4279661998 (0xFF1675AE)
YUV	95.0930, 38.9012, -64.1026
Hunter-Lab	40.0243, -5.8881, -34.9807

Details

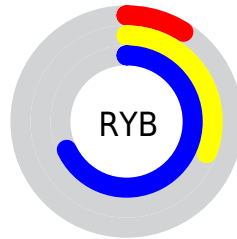
The CIELCh color **47, 37.918, 262.279** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **45, 60.507, 53.468**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 37.913, 262.252**, and **28, 34.946, 274.283** is the 20% darker color. If you saturate the color by 10%, you get **45, 41.095, 267.158**, and if you desaturate by 10%, it is **49, 34.665, 257.842**.

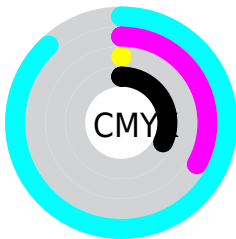
Distribution



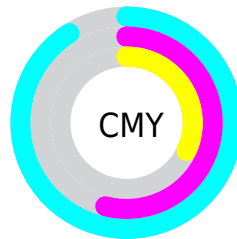
- Red (9%)
- Green (46%)
- Blue (68%)



- Red (9%)
- Yellow (31%)
- Blue (68%)



- Cyan (88%)
- Magenta (33%)
- Yellow (0%)
- Black (32%)





- Cyan (91%)
- Magenta (54%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 37.918, 262.279 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, 37.918, 262.279 by changing the saturation by 10% instead.


 47, 37.918,
262.279


 47, 37.918,
262.279


 100, 37.918,
262.279


 37, 37.918,
262.279

 67, 37.918,
262.279


 27, 37.918,
262.279

 77, 37.918,
262.279

 17, 37.918,
262.279

 87, 37.918,
262.279

 7, 37.918, 262.279

 97, 37.918,
262.279

 0, 37.918, 262.279

 47, 37.918,

 47, 37.918,

262.279

■ 45, 41.095,
267.158

■ 44, 41.906,
268.317

262.279

■ 49, 34.665,
257.842

■ 52, 31.194,
254.002

■ 54, 27.424,
250.769

■ 57, 23.322,
248.094

■ 60, 18.896,
245.905

■ 63, 14.174,
244.123

■ 66, 9.201, 242.680

■ 69, 4.021, 241.547

Harmonies

Complementary

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



47, 37.918, 262.279



45, 60.507, 53.468

Rectangle

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



47, 37.918, 262.279



47, 37.918, 312.279



47, 37.918, 82.279



47, 37.918, 132.279

Sweetspot

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



47, 37.917, 262.280



80, 16.622, 243.951



63, 69.606, 145.992



42, 11.279, 244.501



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



47, 37.917, 262.280



57, 51.704, 269.297



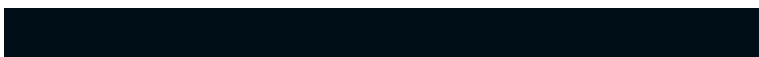
26, 83.160, 301.535



35, 2.997, 241.721



38, 37.288, 267.655



3, 6.702, 252.022

Inverse Universe

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



39, 65.208, 347.532



50, 80.824, 351.087



63, 63.715, 94.708



34, 5.068, 338.064



33, 59.872, 350.183



2, 9.920, 342.026

Previews

White Background



This preview shows how the CIE LCh color 47, 37.918, 262.279 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, 37.918, 262.279 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, 37.918, 262.279

Background



This preview shows how black text looks on a background with the CIELCh color 47, 37.918, 262.279.



This preview shows how white text looks on a background with the CIELCh color 47, 37.918, 262.279.

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, 37.885, 262.380

Protanomaly
47, 35.844, 274.047

Deuteranomaly
47, 38.542, 272.733

Tritanomaly
47, 28.559, 230.286

Monochromacy



Original Color
47, 37.885, 262.380

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 16.954, 247.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 37.918, 262.279 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(22, 117, 174)` looks like.

```
.text, #text, p{  
    color:rgb(22, 117, 174)  
}
```

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(22, 117, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 117, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 37.918, 262.279 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(22, 117, 174) }
```

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

```
.border{ border-color:rgb(22, 117, 174) }
```

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

Here you see how a box with a 4 pixel rgb(22, 117, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 117, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 117, 174);  
box-shadow:4px 4px 4px 4px rgb(22, 117,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 37.918, 262.279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 117, 174) }
```

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

```
.background{ background-color: rgb(22, 117,  
174) }
```

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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