

Converting Colors

CIELCh(48, 42.200, 266.676)

Have a look what the booklet for
CIELCh(48, 42.200, 266.676)
contains.

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Color

CIELCh(48, 42.270, 266.728)

Conversions

Conversions Part 1

Format	Color
Hex	0F77B9
RGB	15, 119, 185
RGB Percent	6%, 47%, 73%
CMY	0.9412, 0.5334, 0.2746
CMYK	0.92, 0.36, 0.00, 0.27
HSL	203°, 85%, 39%
HSV	203°, 92%, 73%
XYZ	15.5475, 16.7945, 48.3139
YIQ	95.4280, -83.1700, -1.5220

Conversions

Conversions Part 2

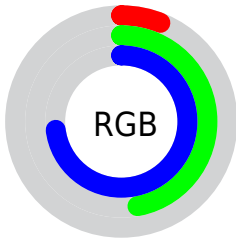
Format	Color
R_{YB}	15, 80, 185
Decimal	1013689
CIE _{Lab}	48.00, -2.41, -42.20
CIE _{LCh}	48, 42.270, 266.728
Yxy	16.7945, 0.1928, 0.2082
Android (android.graphics.Color)	4279203769 (0xFF0F77B9)
YUV	95.4280, 44.1590, -70.5354
Hunter-Lab	40.9810, -3.9971, -41.2122

Details

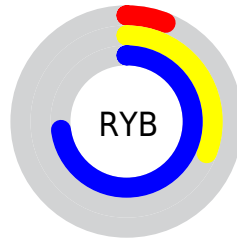
The CIELCh color **48, 42.270, 266.728** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **47, 65.995, 53.792**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 41.977, 266.483**, and **30, 39.405, 278.133** is the 20% darker color. If you saturate the color by 10%, you get **46, 45.217, 270.693**, and if you desaturate by 10%, it is **50, 38.682, 262.016**.

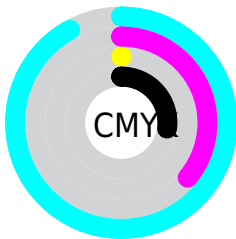
Distribution



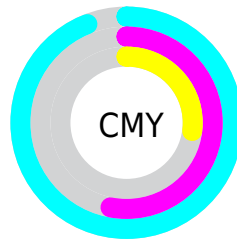
- Red (6%)
- Green (47%)
- Blue (73%)



- Red (6%)
- Yellow (31%)
- Blue (73%)



- Cyan (92%)
- Magenta (36%)
- Yellow (0%)
- Black (27%)



- Cyan (94%)
- Magenta (53%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 42.270, 266.728 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, 42.270, 266.728 by changing the saturation by 10% instead.

 48, 42.270,
266.728


 48, 42.270,
266.728

 100, 42.270,
266.728

 38, 42.270,
266.728

 68, 42.270,
266.728

 28, 42.270,
266.728

 78, 42.270,
266.728

 18, 42.270,
266.728

 88, 42.270,
266.728

 8, 42.270, 266.728

 98, 42.270,
266.728

 0, 42.270, 266.728

 48, 42.270,

 48, 42.270,

266.728

266.728

■ 46, 45.217,
270.693

■ 50, 38.682,
262.016

■ 53, 34.958,
257.845

■ 56, 30.987,
254.275

■ 59, 26.709,
251.288

■ 62, 22.109,
248.823

■ 65, 17.206,
246.804

■ 68, 12.037,
245.159

■ 71, 6.646, 243.831

Harmonies

Complementary

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



48, 42.270, 266.728



47, 65.995, 53.792

Rectangle

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



48, 42.270, 266.728



48, 42.270, 316.728



48, 42.270, 86.728



48, 42.270, 136.728

Sweetspot

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



48, 42.269, 266.729



83, 18.772, 246.200



66, 74.210, 145.671



43, 12.841, 246.960



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



48, 42.269, 266.729



59, 55.617, 271.596



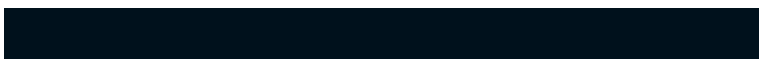
26, 92.863, 303.149



37, 3.158, 243.542



39, 39.380, 269.953



4, 9.229, 256.510

Inverse Universe

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



41, 68.414, 349.718



52, 83.595, 352.434



68, 68.680, 95.444



36, 5.259, 338.738



34, 60.885, 351.461



3, 13.122, 344.335

Previews

White Background



This preview shows how the CIE LCh color 48, 42.270, 266.728 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, 42.270, 266.728 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, 42.270, 266.728

Background



This preview shows how black text looks on a background with the CIELCh color 48, 42.270, 266.728.



This preview shows how white text looks on a background with the CIELCh color 48, 42.270, 266.728.

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, 42.270, 266.728

Protanomaly
47, 40.865, 276.163

Deuteranomaly
48, 43.099, 273.724

Tritanomaly
48, 29.722, 234.386

Monochromacy



Original Color
48, 42.270, 266.728

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 18.673, 249.856

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 42.270, 266.728 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(15, 119, 185)` looks like.

```
.text, #text, p{  
    color:rgb(15, 119, 185)  
}
```

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(15, 119, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 119, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 42.270, 266.728 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(15, 119, 185) }
```

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

```
.border{ border-color:rgb(15, 119, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 119, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 119, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 119, 185);  
box-shadow:4px 4px 4px 4px rgb(15, 119,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 42.270, 266.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 119, 185) }
```

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

```
.background{ background-color: rgb(15, 119,  
185) }
```

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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