

Converting Colors

CIELCh(50, 37.217, 256.239)

Have a look what the booklet for
CIELCh(50, 37.217, 256.239)
contains.

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Color

CIELCh(50, 37.382, 256.723)

Conversions

Conversions Part 1

Format	Color
Hex	0E7EB4
RGB	14, 126, 180
RGB Percent	5%, 49%, 71%
CMY	0.9438, 0.5045, 0.2926
CMYK	0.92, 0.30, 0.00, 0.29
HSL	200°, 85%, 38%
HSV	200°, 92%, 71%
XYZ	15.9688, 18.4187, 46.0968
YIQ	98.6680, -84.0860, -6.9500

Conversions

Conversions Part 2

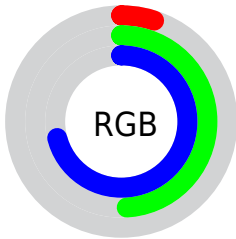
Format	Color
R_{YB}	14, 81, 180
Decimal	949940
CIE _{Lab}	50.00, -8.59, -36.38
CIE _{LCh}	50, 37.382, 256.723
Yxy	18.4187, 0.1984, 0.2288
Android (android.graphics.Color)	4279140020 (0xFF0E7EB4)
YUV	98.6680, 40.0967, -74.2538
Hunter-Lab	42.9170, -8.6873, -33.6411

Details

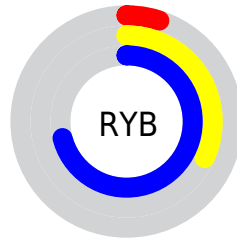
The CIELCh color **50, 37.382, 256.723** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **44, 66.810, 49.611**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **70, 37.119, 256.371**, and **31, 33.866, 269.705** is the 20% darker color. If you saturate the color by 10%, you get **48, 39.356, 260.598**, and if you desaturate by 10%, it is **52, 34.833, 252.138**.

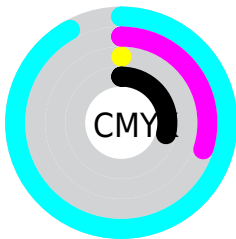
Distribution



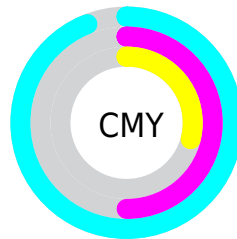
- Red (5%)
- Green (49%)
- Blue (71%)



- Red (5%)
- Yellow (32%)
- Blue (71%)



- Cyan (92%)
- Magenta (30%)
- Yellow (0%)
- Black (29%)





- Cyan (94%)
- Magenta (50%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 37.382, 256.723 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 50, 37.382, 256.723 by changing the saturation by 10% instead.


 50, 37.382,
256.723


 50, 37.382,
256.723


 100, 37.382,
256.723


 40, 37.382,
256.723


 70, 37.382,
256.723

 30, 37.382,
256.723


 80, 37.382,
256.723


 20, 37.382,
256.723

 90, 37.382,
256.723

 10, 37.382,
256.723

 0, 37.382, 256.723

 50, 37.382,
256.723

 50, 37.382,
256.723

■ 48, 39.356,
260.598

■ 52, 34.833,
252.138

■ 54, 31.993,
248.194

■ 57, 28.759,
244.904

■ 59, 25.087,
242.212

■ 62, 20.982,
240.039

■ 64, 16.479,
238.298

■ 67, 11.631,
236.913

■ 70, 6.497, 235.827

■ 73, 1.132, 235.265

Harmonies

Complementary

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



50, 37.382, 256.723



44, 66.810, 49.611

Rectangle

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



50, 37.382, 256.723



50, 37.382, 306.723



50, 37.382, 76.723



50, 37.382, 126.723

Sweetspot

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



50, 37.381, 256.724



83, 17.993, 237.764



64, 76.906, 143.214



43, 12.270, 238.403



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



50, 37.381, 256.724



62, 48.383, 261.552



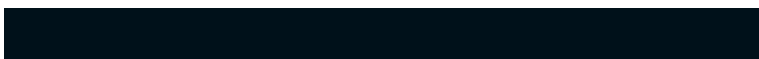
27, 84.930, 301.009



36, 3.042, 235.582



41, 34.605, 259.870



4, 7.689, 247.671

Inverse Universe

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



41, 69.518, 345.124



52, 85.071, 347.180



63, 64.828, 90.407



35, 5.373, 335.937



33, 62.240, 346.436



2, 11.955, 340.152

Previews

White Background



This preview shows how the CIELCh color 50, 37.382, 256.723 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 50, 37.382, 256.723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

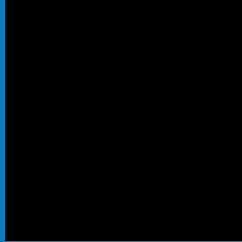
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 37.382, 256.723

Background



This preview shows how black text looks on a background with the CIELCh color 50, 37.382, 256.723.



This preview shows how white text looks on a background with the CIELCh color 50, 37.382, 256.723.

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

50, 37.356, 256.788

Protanopia

50, 32.966, 285.557

Deuteranopia

50, 38.047, 280.877



Tritanopia
50, 29.743, 206.945

Trichromacy



Original Color
50, 37.356, 256.788

Protanomaly
49, 34.359, 269.968

Deuteranomaly
49, 37.518, 269.662

Tritanomaly
50, 29.820, 226.875

Monochromacy



Original Color
50, 37.356, 256.788

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 17.728, 241.199

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 37.382, 256.723 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(14, 126, 180)` looks like.

```
.text, #text, p{  
    color:rgb(14, 126, 180)  
}
```

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(14, 126, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 126, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 37.382, 256.723 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(14, 126, 180) }
```

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

```
.border{ border-color:rgb(14, 126, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 126, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 126, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 126, 180);  
box-shadow:4px 4px 4px 4px rgb(14, 126,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 37.382, 256.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 126, 180) }
```

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

```
.background{ background-color: rgb(14, 126,  
180) }
```

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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