

Converting Colors

CIELCh(57, 37.464, 247.955)

Have a look what the booklet for
CIELCh(57, 37.464, 247.955)
contains.

CIELCh(57, 37.503, 247.967)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(57, 37.503, 247.967)

Conversions

Conversions Part 1

Format	Color
Hex	0F93C5
RGB	15, 147, 197
RGB Percent	6%, 58%, 77%
CMY	0.9403, 0.4244, 0.2284
CMYK	0.92, 0.25, 0.00, 0.23
HSL	197°, 86%, 42%
HSV	197°, 92%, 77%
XYZ	20.6508, 24.9227, 56.4052
YIQ	113.2320, -94.7220, -12.4340

Conversions

Conversions Part 2

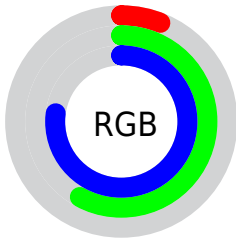
Format	Color
R _Y B	15, 92, 197
Decimal	1020869
CIE Lab	57.00, -14.07, -34.76
CIE LCh	57, 37.503, 247.967
Yxy	24.9227, 0.2025, 0.2444
Android (android.graphics.Color)	4279210949 (0xFF0F93C5)
YUV	113.2320, 41.2976, -86.1495
Hunter-Lab	49.9226, -13.5271, -32.0431

Details

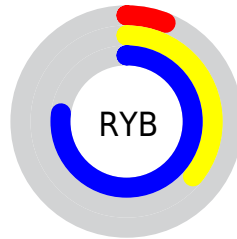
The CIELCh color **57, 37.503, 247.967** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **47, 73.692, 46.678**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 37.545, 247.976**, and **38, 33.016, 260.113** is the 20% darker color. If you saturate the color by 10%, you get **56, 38.907, 251.607**, and if you desaturate by 10%, it is **59, 35.505, 243.661**.

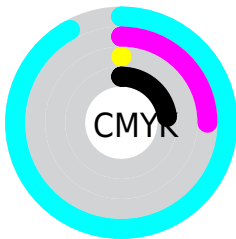
Distribution



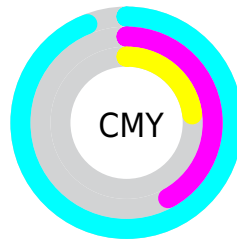
- Red (6%)
- Green (58%)
- Blue (77%)



- Red (6%)
- Yellow (36%)
- Blue (77%)



- Cyan (92%)
- Magenta (25%)
- Yellow (0%)
- Black (23%)



- Cyan (94%)
- Magenta (42%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 37.503, 247.967 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 57, 37.503, 247.967 by changing the saturation by 10% instead.

■ 57, 37.503,
247.967

■ 57, 37.503,
247.967

■ 100, 37.503,
247.967

■ 47, 37.503,
247.967

■ 77, 37.503,
247.967

■ 37, 37.503,
247.967

■ 87, 37.503,
247.967

■ 27, 37.503,
247.967

■ 97, 37.503,
247.967

■ 17, 37.503,
247.967

■ 7, 37.503, 247.967

■ 0, 37.503, 247.967

■ 57, 37.503,
247.967

■ 57, 37.503,
247.967

■ 56, 38.907,
251.607

■ 59, 35.505,
243.661

■ 61, 33.058,
240.043

■ 63, 30.059,
237.089

■ 65, 26.476,
234.722

■ 68, 22.328,
232.850

■ 70, 17.668,
231.385

■ 73, 12.568,
230.250

■ 76, 7.103, 229.394

Harmonies

Complementary

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



57, 37.503, 247.967



47, 73.692, 46.678

Rectangle

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



57, 37.503, 247.967



57, 37.503, 297.967



57, 37.503, 67.967



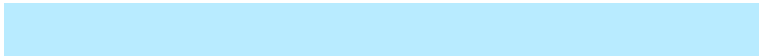
57, 37.503, 117.967

Sweetspot

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



57, 37.502, 247.968



90, 19.155, 230.914



70, 85.527, 141.465



47, 13.039, 231.455



0, 0.000, 0.000



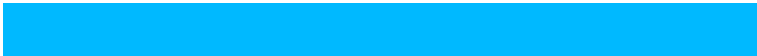
53, 0.007, 296.813

Same Dimension

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



57, 37.502, 247.968



71, 47.574, 252.444



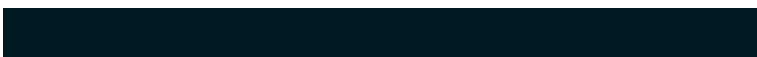
32, 85.845, 299.232



40, 3.334, 229.199



47, 33.694, 250.868



8, 11.226, 240.320

Inverse Universe

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



45, 76.628, 341.910



57, 93.470, 343.490



66, 67.725, 86.184



39, 6.089, 333.897



36, 67.295, 342.924



4, 21.006, 339.092

Previews

White Background



This preview shows how the CIE LCh color 57, 37.503, 247.967 looks on a white 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

Black Background



This preview shows how the CIELCh color 57, 37.503, 247.967 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 57, 37.503, 247.967

Background



This preview shows how black text looks on a background with the CIELCh color 57, 37.503, 247.967.

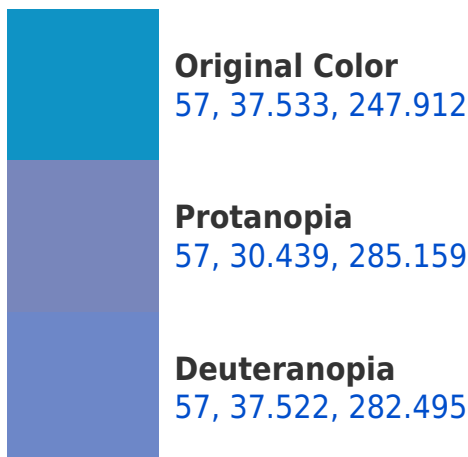


This preview shows how white text looks on a background with the CIELCh color 57, 37.503, 247.967.

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
57, 32.711, 208.903

Trichromacy



Original Color
57, 37.533, 247.912



Protanomaly
56, 32.928, 264.288



Deuteranomaly
56, 37.279, 266.854



Tritanomaly
57, 32.672, 224.427

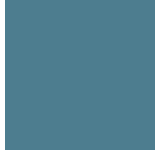
Monochromacy



Original Color
57, 37.533, 247.912



Achromatopsia
48, 0.006, 296.813



Achromatomaly
50, 18.583, 232.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 37.503, 247.967 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, 147, 197)` looks like.

```
.text, #text, p{  
    color:rgb(15, 147, 197)  
}
```

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, 147, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 147, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 37.503, 247.967 is called "border". The border property can be set on classes, ids or directly on the HTML element.

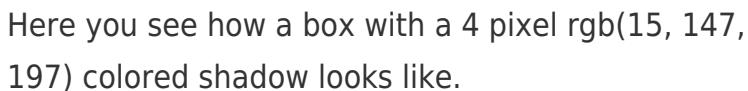
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(15, 147, 197) }
```

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

```
.border{ border-color:rgb(15, 147, 197) }
```

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



Here you see how a box with a 4 pixel `rgb(15, 147, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(15, 147, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(15, 147, 197); box-shadow:4px 4px 4px 4px rgb(15, 147, 197) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 37.503, 247.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 147, 197) }
```

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

```
.background{ background-color: rgb(15, 147,  
197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor