

Converting Colors

CIELCh(48, 96.559, 219.994)

Have a look what the booklet for
CIELCh(48, 96.559, 219.994)
contains.

CIELCh(57, 46.894, 263.475)	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, 46.894, 263.475)

Conversions

Conversions Part 1

Format	Color
Hex	0090DA
RGB	0, 144, 218
RGB Percent	0%, 56%, 85%
CMY	1.0000, 0.4357, 0.1460
CMYK	1.00, 0.34, 0.00, 0.15
HSL	200°, 100%, 43%
HSV	200°, 100%, 85%
XYZ	22.5050, 24.9227, 69.8035
YIQ	109.3800, -109.5780, -7.5140

Conversions

Conversions Part 2

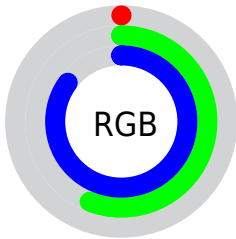
Format	Color
R _{YB}	0, 87, 218
Decimal	37082
CIE Lab	57.00, -5.33, -46.59
CIE LCh	57, 46.894, 263.475
Yxy	24.9227, 0.1920, 0.2126
Android (android.graphics.Color)	4278227162 (0xFF0090DA)
YUV	109.3800, 53.5497, -95.9263
Hunter-Lab	49.9226, -6.8972, -47.9555

Details

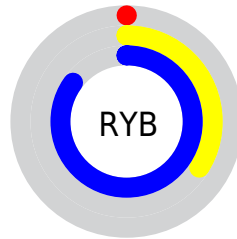
The CIELCh color **57, 46.894, 263.475** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **52, 82.477, 49.065**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 38.335, 252.019**, and **39, 43.846, 274.938** is the 20% darker color. If you saturate the color by 10%, you get **57, 46.810, 263.691**, and if you desaturate by 10%, it is **59, 43.675, 258.634**.

Distribution



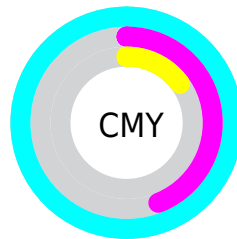
- Red (0%)
- Green (56%)
- Blue (85%)



- Red (0%)
- Yellow (34%)
- Blue (85%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (15%)




- Cyan (100%)
- Magenta (44%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 46.894, 263.475 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, 46.894, 263.475 by changing the saturation by 10% instead.


 57, 46.894,
263.475


 57, 46.894,
263.475

 100, 46.894,
263.475


 47, 46.894,
263.475


 77, 46.894,
263.475

 37, 46.894,
263.475

 87, 46.894,
263.475

 27, 46.894,
263.475

 97, 46.894,
263.475

 17, 46.894,
263.475

 7, 46.894, 263.475

 0, 46.894, 263.475

■ 57, 46.894,
263.475

■ 57, 46.894,
263.475

■ 57, 46.810,
263.691

■ 59, 43.675,
258.634

■ 62, 40.446,
253.994

■ 65, 36.899,
250.000

■ 67, 32.917,
246.664

■ 70, 28.451,
243.934

■ 73, 23.509,
241.726

■ 77, 18.130,
239.955

■ 80, 12.377,

238.542

■ 83, 6.314, 237.437

Harmonies

Complementary

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



57, 46.894, 263.475



52, 82.477, 49.065

Rectangle

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



57, 46.894, 263.475



57, 46.894, 313.475



57, 46.894, 83.475



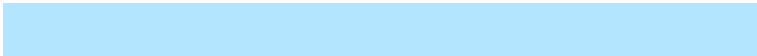
57, 46.894, 133.475

Sweetspot

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



57, 46.810, 263.691



88, 20.592, 239.997



76, 92.371, 141.972



45, 13.890, 240.707



0, 0.000, 0.000



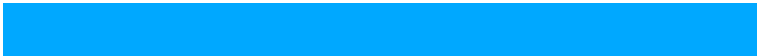
53, 0.007, 296.813

Same Dimension

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



57, 46.810, 263.691



66, 53.030, 264.196



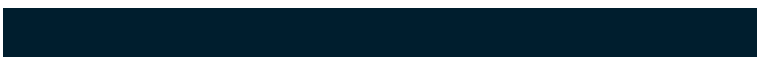
30, 108.342, 303.685



44, 3.608, 237.385



46, 39.114, 262.818



10, 14.286, 252.218

Inverse Universe

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



48, 79.850, 348.174



56, 89.797, 348.417



75, 77.023, 90.560



43, 6.305, 336.554



38, 67.567, 347.761



6, 27.320, 343.564

Previews

White Background



This preview shows how the CIE LCh color 57, 46.894, 263.475 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 CIE LCh color 57, 46.894, 263.475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

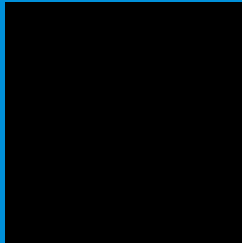
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 46.894, 263.475

Background



This preview shows how black text looks on a background with the CIELCh color 57, 46.894, 263.475.

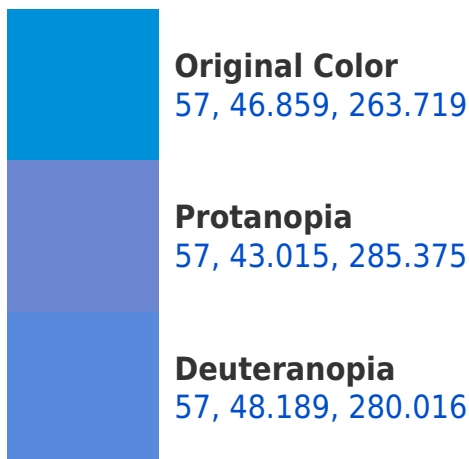


This preview shows how white text looks on a background with the CIELCh color 57, 46.894, 263.475.

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, 32.756, 207.831

Trichromacy



Original Color
57, 46.859, 263.719



Protanomaly
56, 44.440, 272.484



Deuteranomaly
57, 47.608, 271.493



Tritanomaly
57, 33.923, 232.641

Monochromacy



Original Color
57, 46.859, 263.719



Achromatopsia
46, 0.006, 296.813



Achromatomaly
49, 22.228, 244.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 46.894, 263.475 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(0, 144, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 218)  
}
```

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(0, 144, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 46.894, 263.475 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(0, 144, 218) }
```

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

```
.border{ border-color:rgb(0, 144, 218) }
```

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

Here you see how a box with a 4 pixel rgb(0, 144, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 46.894, 263.475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 218) }
```

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

```
.background{ background-color: rgb(0, 144,  
218) }
```

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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