

Converting Colors

CIELCh(57, 46.123, 262.667)

Have a look what the booklet for
CIELCh(57, 46.123, 262.667)
contains.

CIELCh(57, 45.997, 262.654)	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, 45.997, 262.654)

Conversions

Conversions Part 1

Format	Color
Hex	0090D8
RGB	0, 144, 216
RGB Percent	0%, 56%, 85%
CMY	0.9988, 0.4351, 0.1527
CMYK	1.00, 0.33, 0.00, 0.15
HSL	200°, 100%, 42%
HSV	200°, 100%, 85%
XYZ	22.3847, 24.9227, 68.6313
YIQ	109.1520, -108.9360, -8.1360

Conversions

Conversions Part 2

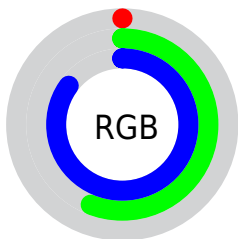
Format	Color
R _Y B	0, 86, 216
Decimal	37080
CIE Lab	57.00, -5.88, -45.62
CIE LCh	57, 45.997, 262.654
Yxy	24.9227, 0.1931, 0.2150
Android (android.graphics.Color)	4278227160 (0xFF0090D8)
YUV	109.1520, 52.6761, -95.7263
Hunter-Lab	49.9226, -7.3275, -46.5633

Details

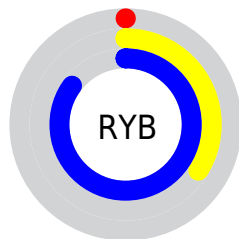
The CIELCh color **57, 45.997, 262.654** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **51, 82.130, 48.796**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 38.446, 251.790**, and **39, 42.790, 273.954** is the 20% darker color. If you saturate the color by 10%, you get **57, 46.039, 262.723**, and if you desaturate by 10%, it is **59, 42.992, 257.612**.

Distribution



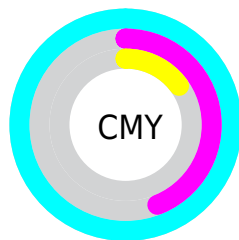
- Red (0%)
- Green (56%)
- Blue (85%)



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



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 45.997, 262.654 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, 45.997, 262.654 by changing the saturation by 10% instead.


 57, 45.997,
262.654


 57, 45.997,
262.654


 100, 45.997,
262.654


 47, 45.997,
262.654


 77, 45.997,
262.654

 37, 45.997,
262.654

 87, 45.997,
262.654

 27, 45.997,
262.654

 97, 45.997,
262.654

 17, 45.997,
262.654

 7, 45.997, 262.654

 0, 45.997, 262.654

■ 57, 45.997,
262.654

■ 57, 45.997,
262.654

■ 57, 46.039,
262.723

■ 59, 42.992,
257.612

■ 62, 39.872,
253.006

■ 64, 36.417,
249.054

■ 67, 32.514,
245.762

■ 70, 28.115,
243.074

■ 73, 23.232,
240.905

■ 76, 17.907,
239.169

■ 80, 12.202,

237.787

■ 83, 6.184, 236.712

Harmonies

Complementary

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



57, 45.997, 262.654



51, 82.130, 48.796

Rectangle

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



57, 45.997, 262.654



57, 45.997, 312.654



57, 45.997, 82.654



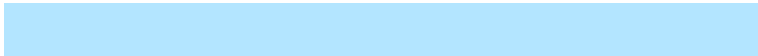
57, 45.997, 132.654

Sweetspot

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



57, 45.996, 262.655



88, 20.556, 239.234



76, 91.725, 142.008



46, 13.861, 239.932



0, 0.000, 0.000



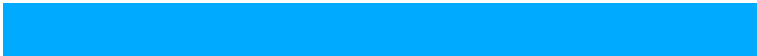
53, 0.007, 296.813

Same Dimension

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



57, 45.996, 262.655



66, 52.477, 263.255



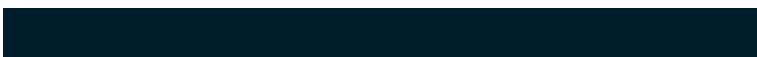
30, 107.539, 303.648



43, 3.537, 236.671



46, 38.277, 261.813



9, 13.641, 250.574

Inverse Universe

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



48, 79.631, 347.685



56, 90.086, 347.966



74, 76.543, 90.584



42, 6.209, 336.312



38, 67.060, 347.298



6, 25.860, 343.083

Previews

White Background



This preview shows how the CIE LCh color 57, 45.997, 262.654 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, 45.997, 262.654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

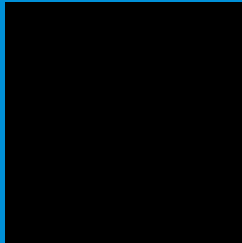
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 45.997, 262.654

Background



This preview shows how black text looks on a background with the CIELCh color 57, 45.997, 262.654.

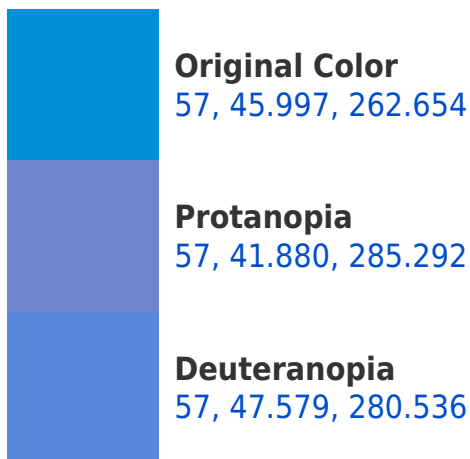


This preview shows how white text looks on a background with the CIELCh color 57, 45.997, 262.654.

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, 45.997, 262.654

Protanomaly
56, 43.393, 271.845

Deuteranomaly
56, 47.017, 271.666

Tritanomaly
57, 33.923, 232.641

Monochromacy



Original Color
57, 45.997, 262.654

Achromatopsia
46, 0.006, 296.813

Achromatomaly
49, 21.895, 242.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 45.997, 262.654 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 45.997, 262.654 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, 216) }
```

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

```
.border{ border-color:rgb(0, 144, 216) }
```

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, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 45.997, 262.654 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, 216) }
```

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

```
.background{ background-color: rgb(0, 144,  
216) }
```

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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