

Converting Colors

CIELCh(58, 46.755, 262.711)

Have a look what the booklet for
CIELCh(58, 46.755, 262.711)
contains.

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Color

CIELCh(58, 46.538, 262.458)

Conversions

Conversions Part 1

Format	Color
Hex	0093DC
RGB	0, 147, 220
RGB Percent	0%, 58%, 86%
CMY	1.0000, 0.4242, 0.1380
CMYK	1.00, 0.33, 0.00, 0.14
HSL	200°, 100%, 43%
HSV	200°, 100%, 86%
XYZ	23.2845, 25.9610, 71.3562
YIQ	111.3690, -111.0450, -8.4610

Conversions

Conversions Part 2

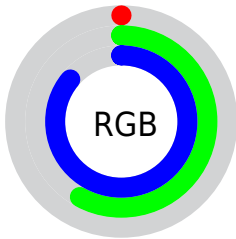
Format	Color
R _Y B	0, 88, 220
Decimal	37852
CIE Lab	58.00, -6.11, -46.14
CIE LCh	58, 46.538, 262.458
Yxy	25.9610, 0.1931, 0.2153
Android (android.graphics.Color)	4278227932 (0xFF0093DC)
YUV	111.3690, 53.5551, -97.6706
Hunter-Lab	50.9519, -7.5932, -47.3670

Details

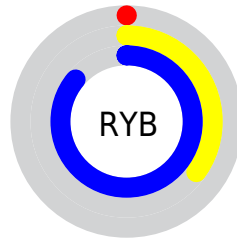
The CIELCh color **58, 46.538, 262.458** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **52, 83.404, 48.654**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **77, 37.640, 249.115**, and **40, 42.769, 273.021** is the 20% darker color. If you saturate the color by 10%, you get **58, 46.523, 262.493**, and if you desaturate by 10%, it is **60, 43.510, 257.439**.

Distribution



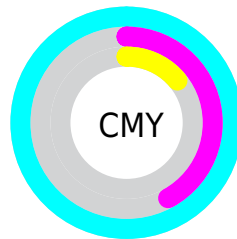
- Red (0%)
- Green (58%)
- Blue (86%)



- Red (0%)
- Yellow (35%)
- Blue (86%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (42%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 46.538, 262.458 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 58, 46.538, 262.458 by changing the saturation by 10% instead.

 58, 46.538,
262.458

 58, 46.538,
262.458


 100, 46.538,
262.458

 48, 46.538,
262.458

 78, 46.538,
262.458

 38, 46.538,
262.458

 88, 46.538,
262.458

 28, 46.538,
262.458

 98, 46.538,
262.458

 18, 46.538,
262.458

 8, 46.538, 262.458

 0, 46.538, 262.458

■ 58, 46.538,
262.458

■ 58, 46.538,
262.458

■ 58, 46.523,
262.493

■ 60, 43.510,
257.439

■ 63, 40.381,
252.821

■ 65, 36.910,
248.860

■ 68, 32.980,
245.562

■ 71, 28.544,
242.870

■ 74, 23.611,
240.699

■ 77, 18.225,
238.963

■ 81, 12.451,

237.583

■ 84, 6.355, 236.508

Harmonies

Complementary

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



58, 46.538, 262.458



52, 83.404, 48.654

Rectangle

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



58, 46.538, 262.458



58, 46.538, 312.458



58, 46.538, 82.458



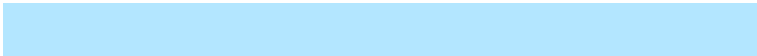
58, 46.538, 132.458

Sweetspot

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



58, 46.523, 262.493



89, 20.545, 239.002



77, 94.198, 141.419



46, 13.853, 239.696



0, 0.000, 0.000



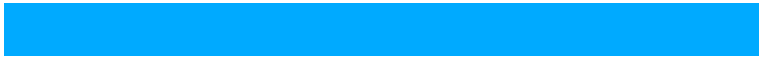
53, 0.007, 296.813

Same Dimension

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



58, 46.523, 262.493



67, 52.312, 262.966



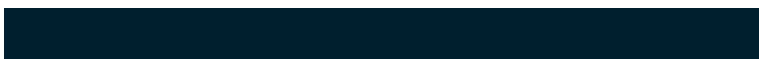
31, 107.442, 303.236



44, 3.605, 236.457



46, 38.608, 261.588



10, 14.168, 251.039

Inverse Universe

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



49, 80.736, 347.610



56, 90.175, 347.830



75, 76.904, 89.128



43, 6.338, 336.241



38, 67.851, 347.196



6, 27.446, 343.125

Previews

White Background



This preview shows how the CIELCh color 58, 46.538, 262.458 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 58, 46.538, 262.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

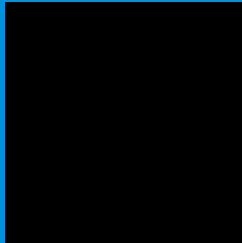
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 46.538, 262.458

Background



This preview shows how black text looks on a background with the CIELCh color 58, 46.538, 262.458.

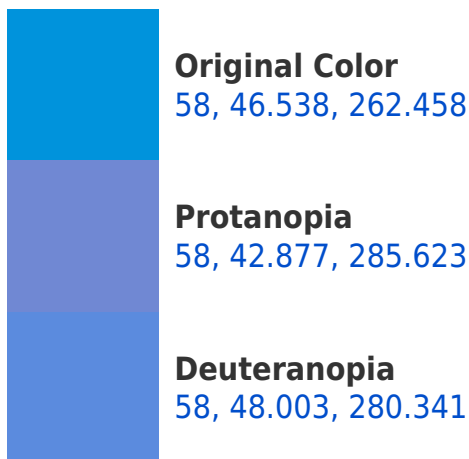


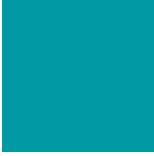
This preview shows how white text looks on a background with the CIELCh color 58, 46.538, 262.458.

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
58, 33.242, 207.621

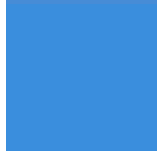
Trichromacy



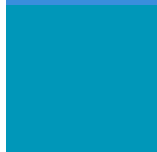
Original Color
58, 46.538, 262.458



Protanomaly
57, 44.376, 272.269



Deuteranomaly
58, 47.512, 271.387



Tritanomaly
58, 34.309, 232.025

Monochromacy



Original Color
58, 46.538, 262.458



Achromatopsia
47, 0.006, 296.813



Achromatomaly
49, 22.224, 244.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 46.538, 262.458 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, 147, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 220)  
}
```

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, 147, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 46.538, 262.458 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, 147, 220) }
```

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

```
.border{ border-color:rgb(0, 147, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 46.538, 262.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 220) }
```

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

```
.background{ background-color: rgb(0, 147,  
220) }
```

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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