

Converting Colors

CIELCh(58, 51.378, 268.170)

Have a look what the booklet for
CIELCh(58, 51.378, 268.170)
contains.

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Color

CIELCh(58, 51.364, 268.276)

Conversions

Conversions Part 1

Format	Color
Hex	0191E5
RGB	1, 145, 229
RGB Percent	0%, 57%, 90%
CMY	0.9967, 0.4309, 0.1014
CMYK	1.00, 0.37, 0.00, 0.10
HSL	202°, 99%, 45%
HSV	202°, 100%, 90%
XYZ	24.3182, 25.9610, 77.9646
YIQ	111.5200, -112.7880, -4.4040

Conversions

Conversions Part 2

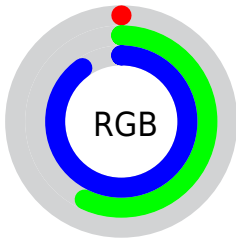
Format	Color
R _Y B	1, 89, 229
Decimal	102885
CIE Lab	58.00, -1.55, -51.34
CIE LCh	58, 51.364, 268.276
Yxy	25.9610, 0.1896, 0.2024
Android (android.graphics.Color)	4278292965 (0xFF0191E5)
YUV	111.5200, 57.9176, -96.9260
Hunter-Lab	50.9519, -3.9717, -55.0568

Details

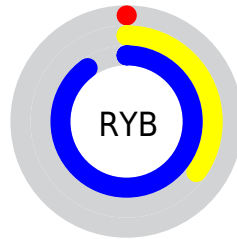
The CIELCh color **58, 51.364, 268.276** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **55, 84.184, 50.648**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **76, 37.997, 252.728**, and **40, 48.653, 278.556** is the 20% darker color. If you saturate the color by 10%, you get **58, 51.509, 268.457**, and if you desaturate by 10%, it is **61, 47.503, 263.187**.

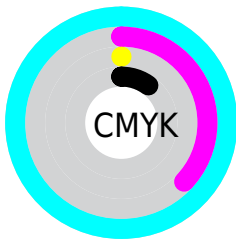
Distribution



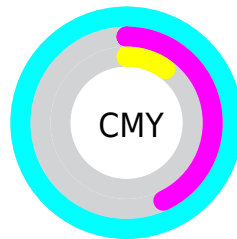
- Red (0%)
- Green (57%)
- Blue (90%)



- Red (0%)
- Yellow (35%)
- Blue (90%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (43%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 51.364, 268.276 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, 51.364, 268.276 by changing the saturation by 10% instead.


 58, 51.364,
268.276


 58, 51.364,
268.276


 100, 51.364,
268.276


 48, 51.364,
268.276


 78, 51.364,
268.276

 38, 51.364,
268.276

 88, 51.364,
268.276

 28, 51.364,
268.276

 98, 51.364,
268.276

 18, 51.364,
268.276

 8, 51.364, 268.276

 0, 51.364, 268.276

■ 58, 51.364,
268.276

■ 58, 51.364,
268.276

■ 58, 51.509,
268.457

■ 61, 47.503,
263.187

■ 63, 43.611,
258.473

■ 66, 39.475,
254.364

■ 70, 34.968,
250.895

■ 73, 30.032,
248.027

■ 76, 24.663,
245.686

■ 80, 18.894,
243.789

■ 84, 12.781,

242.260

■ 87, 6.384, 241.049

Harmonies

Complementary

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



58, 51.364, 268.276



55, 84.184, 50.648

Rectangle

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



58, 51.364, 268.276



58, 51.364, 318.276



58, 51.364, 88.276



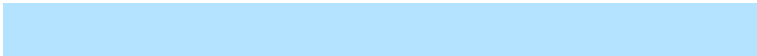
58, 51.364, 138.276

Sweetspot

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



58, 51.363, 268.277



88, 20.833, 243.882



80, 93.438, 143.134



45, 14.073, 244.646



0, 0.000, 0.000



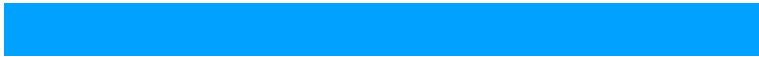
53, 0.007, 296.813

Same Dimension

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



58, 51.363, 268.277



64, 56.086, 268.787



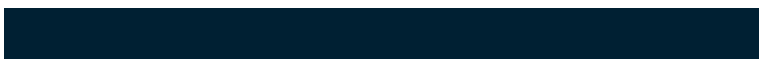
31, 115.666, 304.483



46, 3.768, 241.030



46, 42.234, 267.542



11, 15.993, 258.054

Inverse Universe

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



50, 81.630, 350.521



56, 88.417, 350.801



80, 81.463, 93.311



45, 6.413, 337.829



39, 67.936, 350.122



7, 29.349, 345.692

Previews

White Background



This preview shows how the CIELCh color 58, 51.364, 268.276 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 58, 51.364, 268.276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

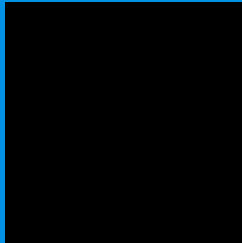
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

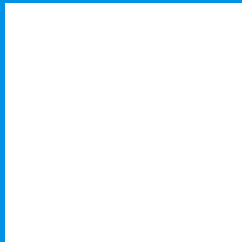
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 58, 51.364, 268.276

Background



This preview shows how black text looks on a background with the CIELCh color 58, 51.364, 268.276.

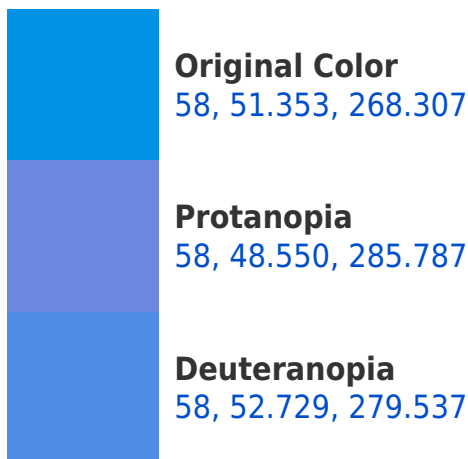



This preview shows how white text looks on a background with the CIELCh color 58, 51.364, 268.276.

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, 51.353, 268.307



Protanomaly
57, 50.041, 276.153



Deuteranomaly
58, 52.231, 273.806



Tritanomaly
58, 34.891, 234.922

Monochromacy



Original Color
58, 51.353, 268.307



Achromatopsia
47, 0.006, 296.813



Achromatomaly
50, 23.499, 249.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 51.364, 268.276 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(1, 145, 229)` looks like.

```
.text, #text, p{  
    color:rgb(1, 145, 229)  
}
```

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(1, 145, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 145, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 51.364, 268.276 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(1, 145, 229) }
```

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

```
.border{ border-color:rgb(1, 145, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 145, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 145, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 145, 229); box-shadow:4px 4px 4px 4px rgb(1, 145, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 51.364, 268.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 145, 229) }
```

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

```
.background{ background-color: rgb(1, 145,  
229) }
```

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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