

Converting Colors

CIELCh(69, 38.078, 259.954)

Have a look what the booklet for
CIELCh(69, 38.078, 259.954)
contains.

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Color

CIELCh(69, 38.294, 260.430)

Conversions

Conversions Part 1

Format	Color
Hex	61AFEC
RGB	97, 175, 236
RGB Percent	38%, 69%, 93%
CMY	0.6188, 0.3131, 0.0738
CMYK	0.59, 0.26, 0.00, 0.07
HSL	206°, 79%, 65%
HSV	206°, 59%, 93%
XYZ	35.4799, 39.3444, 85.2190
YIQ	158.6320, -66.0690, 2.4350

Conversions

Conversions Part 2

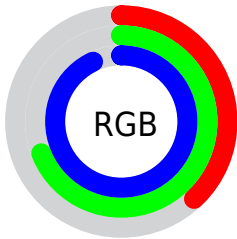
Format	Color
RYP	97, 147, 236
Decimal	6402028
CIELab	69.00, -6.37, -37.76
CIElCh	69, 38.294, 260.430
Yxy	39.3444, 0.2217, 0.2458
Android (android.graphics.Color)	4284592108 (0xFF61AFEC)
YUV	158.6320, 38.1424, -54.0513
Hunter-Lab	62.7251, -8.8020, -36.6445

Details

The CIELCh color **69, 38.294, 260.430** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **72, 49.037, 62.026**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 25.370, 229.426**, and **49, 38.249, 260.302** is the 20% darker color. If you saturate the color by 10%, you get **65, 43.950, 264.011**, and if you desaturate by 10%, it is **73, 32.383, 257.404**.

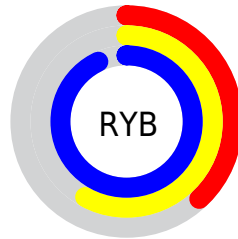
Distribution



Red (38%)

Green (69%)

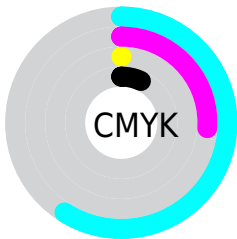
Blue (93%)



Red (38%)

Yellow (58%)

Blue (93%)

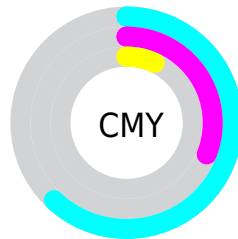


Cyan (59%)

Magenta (26%)

Yellow (0%)

Black (7%)



Cyan (62%)

Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 38.294, 260.430 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 69, 38.294, 260.430 by changing the saturation by 10% instead.

■ 69, 38.294,
260.430

■ 69, 38.294,
260.430

■ 100, 38.294,
260.430

■ 59, 38.294,
260.430

■ 89, 38.294,
260.430

■ 49, 38.294,
260.430

■ 99, 38.294,
260.430

■ 39, 38.294,
260.430

■ 29, 38.294,
260.430

■ 19, 38.294,
260.430

■ 9, 38.294, 260.430

■ 0, 38.294, 260.430

69, 38.294,
260.430

69, 38.294,
260.430

65, 43.950,
264.011

73, 32.383,
257.404

62, 49.428,
268.153

77, 26.197,
254.882

58, 54.851,
272.783

81, 19.748,
252.795

55, 60.387,
277.674

85, 13.069,
251.076

55, 61.048,
278.216

90, 6.202, 249.679

94, 0.808, 67.823

98, 6.415, 85.745

100, 9.526,
109.456

Harmonies

Complementary

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



69, 38.294, 260.430



72, 49.037, 62.026

Rectangle

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



69, 38.294, 260.430



69, 38.294, 310.430



69, 38.294, 80.430



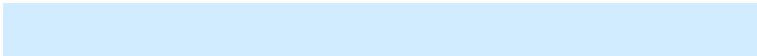
69, 38.294, 130.430

Sweetspot

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



69, 38.293, 260.430



92, 13.296, 250.957



85, 61.506, 153.769



48, 9.207, 251.418



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 38.293, 260.430



69, 48.011, 264.975



51, 75.038, 297.078



47, 3.959, 249.755



42, 49.265, 277.319



11, 18.536, 268.638

Inverse Universe

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



61, 63.193, 346.715



61, 77.028, 348.914



89, 64.167, 101.354



46, 6.213, 341.212



39, 66.563, 356.279



8, 29.286, 350.721

Previews

White Background



This preview shows how the CIE LCh color 69, 38.294, 260.430 looks on a white background.

Color Contrast Check

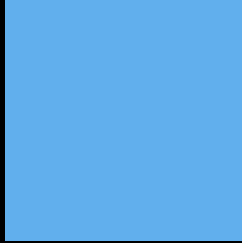
Large Text (above 18pt) WCAG AA × Fail

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 69, 38.294, 260.430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

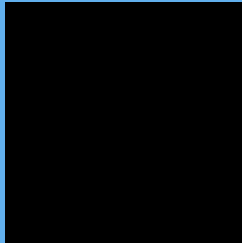
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 38.294, 260.430

Background



This preview shows how black text looks on a background with the CIELCh color 69, 38.294, 260.430.

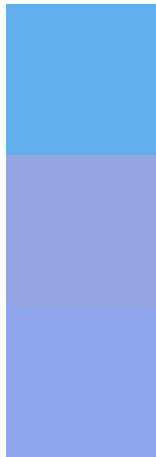


This preview shows how white text looks on a background with the CIELCh color 69, 38.294, 260.430.

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



Original Color

69, 38.294, 260.430

Protanopia

69, 34.817, 285.384

Deuteranopia

69, 39.928, 283.345



Tritanopia
69, 29.812, 213.502

Trichromacy



Original Color
69, 38.294, 260.430

Protanomaly
69, 35.428, 274.509

Deuteranomaly
69, 38.805, 274.851

Tritanomaly
69, 30.346, 232.212

Monochromacy



Original Color
69, 38.294, 260.430

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 15.206, 252.458

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 38.294, 260.430 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(97, 175, 236)` looks like.

```
.text, #text, p{  
    color:rgb(97, 175, 236)  
}
```

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(97, 175, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 175, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 38.294, 260.430 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(97, 175, 236) }
```

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

```
.border{ border-color:rgb(97, 175, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 175, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 175, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 175, 236);  
box-shadow:4px 4px 4px 4px rgb(97, 175,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 38.294, 260.430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 175, 236) }
```

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

```
.background{ background-color: rgb(97, 175,  
236) }
```

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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