

Converting Colors

CIELCh(69, 42.191, 256.682)

Have a look what the booklet for
CIELCh(69, 42.191, 256.682)
contains.

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Color

CIELCh(69, 42.233, 256.812)

Conversions

Conversions Part 1

Format	Color
Hex	48B1F2
RGB	72, 177, 242
RGB Percent	28%, 69%, 95%
CMY	0.7164, 0.3050, 0.0501
CMYK	0.70, 0.27, 0.00, 0.05
HSL	203°, 87%, 62%
HSV	203°, 70%, 95%
XYZ	34.5222, 39.3444, 89.9624
YIQ	153.0150, -83.4450, -2.0450

Conversions

Conversions Part 2

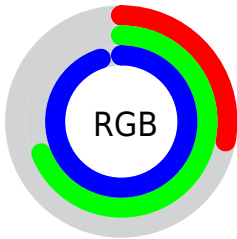
Format	Color
R _Y B	72, 137, 242
Decimal	4764146
CIE Lab	69.00, -9.64, -41.12
CIE LCh	69, 42.233, 256.812
Yxy	39.3444, 0.2107, 0.2402
Android (android.graphics.Color)	4282954226 (0xFF48B1F2)
YUV	153.0150, 43.8696, -71.0502
Hunter-Lab	62.7251, -11.5274, -41.1281

Details

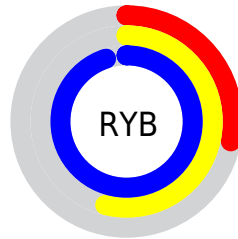
The CIELCh color **69, 42.233, 256.812** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **68, 61.875, 55.707**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 29.544, 220.906**, and **50, 40.498, 261.174** is the 20% darker color. If you saturate the color by 10%, you get **66, 46.782, 261.016**, and if you desaturate by 10%, it is **72, 37.345, 253.238**.

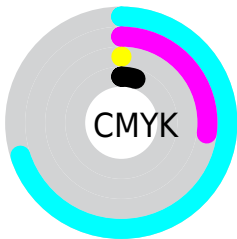
Distribution



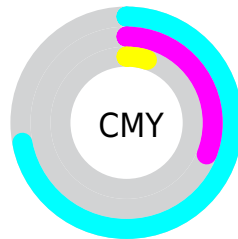
- Red (28%)
- Green (69%)
- Blue (95%)



- Red (28%)
- Yellow (54%)
- Blue (95%)



- Cyan (70%)
- Magenta (27%)
- Yellow (0%)
- Black (5%)





- Cyan (72%)
- Magenta (31%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 42.233, 256.812 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, 42.233, 256.812 by changing the saturation by 10% instead.

 69, 42.233,
256.812


 69, 42.233,
256.812

 100, 42.233,
256.812


 59, 42.233,
256.812


 89, 42.233,
256.812

 49, 42.233,
256.812

 99, 42.233,
256.812

 39, 42.233,
256.812

 29, 42.233,
256.812

 19, 42.233,
256.812

 9, 42.233, 256.812

 0, 42.233, 256.812

69, 42.233,
256.812

69, 42.233,
256.812

66, 46.782,
261.016

72, 37.345,
253.238

63, 51.136,
265.795

76, 32.051,
250.265

60, 55.449,
270.817

80, 26.337,
247.826

84, 20.232,
245.841

87, 13.786,
244.233

91, 7.059, 242.948

96, 0.110, 246.567

99, 4.796, 94.164

100, 6.461,
109.683

Harmonies

Complementary

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



69, 42.233, 256.812



68, 61.875, 55.707

Rectangle

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



69, 42.233, 256.812



69, 42.233, 306.812



69, 42.233, 76.812



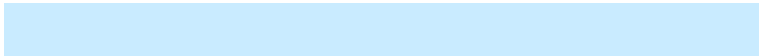
69, 42.233, 126.812

Sweetspot

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



69, 42.232, 256.813



91, 14.956, 244.365



85, 76.903, 148.983



47, 10.071, 244.785



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, 42.232, 256.813



68, 50.500, 262.905



47, 85.966, 297.340



48, 3.923, 242.873



46, 44.447, 269.849



12, 17.547, 261.384

Inverse Universe

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



59, 75.628, 345.134



58, 85.891, 347.830



87, 71.852, 96.329



47, 6.578, 338.501



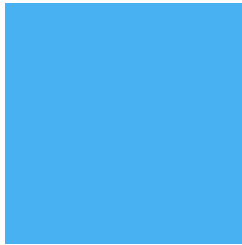
40, 68.840, 351.401



9, 30.924, 347.104

Previews

White Background



This preview shows how the CIE LCh color 69, 42.233, 256.812 looks on a white background.

Color Contrast Check

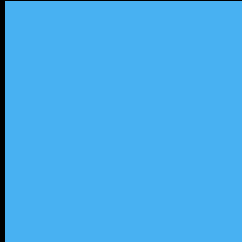
Large Text (above 18pt) WCAG AA × Fail

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, 42.233, 256.812 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

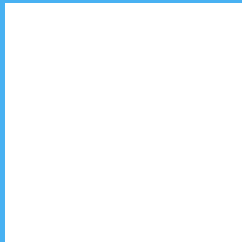
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 42.233, 256.812

Background



This preview shows how black text looks on a background with the CIELCh color 69, 42.233, 256.812.



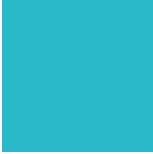
This preview shows how white text looks on a background with the CIELCh color 69, 42.233, 256.812.

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
69, 35.858, 210.280

Trichromacy



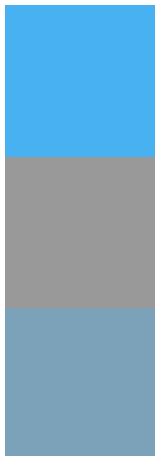
Original Color
69, 42.233, 256.812

Protanomaly
68, 38.666, 272.702

Deuteranomaly
69, 42.716, 272.547

Tritanomaly
69, 35.548, 228.362

Monochromacy



Original Color
69, 42.233, 256.812

Achromatopsia
63, 0.008, 296.813

Achromatomaly
65, 17.634, 245.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 42.233, 256.812 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(72, 177, 242)` looks like.

```
.text, #text, p{  
    color:rgb(72, 177, 242)  
}
```

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(72, 177, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 177, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 42.233, 256.812 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(72, 177, 242) }
```

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

```
.border{ border-color:rgb(72, 177, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 177, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 177, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 177, 242);  
box-shadow:4px 4px 4px 4px rgb(72, 177,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 42.233, 256.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 177, 242) }
```

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

```
.background{ background-color: rgb(72, 177,  
242) }
```

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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