

Converting Colors

CIELCh(69, 42.789, 257.504)

Have a look what the booklet for
CIELCh(69, 42.789, 257.504)
contains.

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Color

CIELCh(69, 42.623, 257.392)

Conversions

Conversions Part 1

Format	Color
Hex	48B1F3
RGB	72, 177, 243
RGB Percent	28%, 69%, 95%
CMY	0.7171, 0.3055, 0.0466
CMYK	0.70, 0.27, 0.00, 0.05
HSL	203°, 88%, 62%
HSV	203°, 70%, 95%
XYZ	34.6185, 39.3444, 90.6487
YIQ	153.1290, -83.7660, -1.7340

Conversions

Conversions Part 2

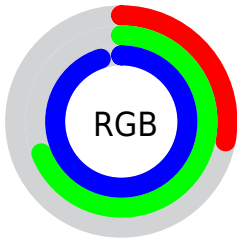
Format	Color
R _Y B	72, 137, 243
Decimal	4764147
CIE Lab	69.00, -9.30, -41.60
CIE LCh	69, 42.623, 257.392
Yxy	39.3444, 0.2103, 0.2390
Android (android.graphics.Color)	4282954227 (0xFF48B1F3)
YUV	153.1290, 44.3064, -71.1501
Hunter-Lab	62.7251, -11.2532, -41.7768

Details

The CIELCh color **69, 42.623, 257.392** 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, 62.180, 55.996**, 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, 47.241, 261.615**, and if you desaturate by 10%, it is **72, 37.678, 253.795**.

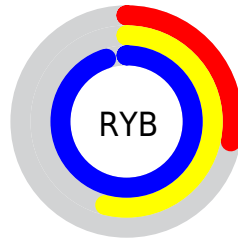
Distribution



Red (28%)

Green (69%)

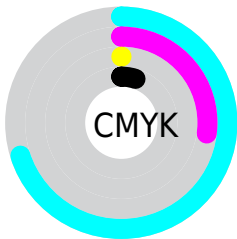
Blue (95%)



Red (28%)

Yellow (54%)

Blue (95%)

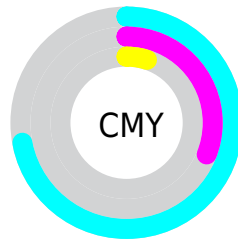


Cyan (70%)

Magenta (27%)

Yellow (0%)

Black (5%)



Cyan (72%)


Magenta (31%)


Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 42.623, 257.392 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, 42.623, 257.392 by changing the saturation by 10% instead.

 69, 42.623,
257.392

 69, 42.623,
257.392


 100, 42.623,
257.392


 59, 42.623,
257.392


 89, 42.623,
257.392

 49, 42.623,
257.392

 99, 42.623,
257.392

 39, 42.623,
257.392

 29, 42.623,
257.392

 19, 42.623,
257.392

 9, 42.623, 257.392

 0, 42.623, 257.392

69, 42.623,
257.392

69, 42.623,
257.392

66, 47.241,
261.615

72, 37.678,
253.795

63, 51.677,
266.404

76, 32.337,
250.799

60, 56.004,
271.332

80, 26.582,
248.338

84, 20.441,
246.333

88, 13.964,
244.706

92, 7.209, 243.403

96, 0.235, 244.475

99, 4.701, 97.557

100, 6.018,
109.715

Harmonies

Complementary

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



69, 42.623, 257.392



68, 62.180, 55.996

Rectangle

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



69, 42.623, 257.392



69, 42.623, 307.392



69, 42.623, 77.392



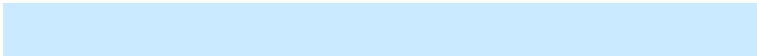
69, 42.623, 127.392

Sweetspot

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



69, 42.622, 257.393



91, 14.980, 244.813



86, 76.191, 149.634



47, 10.088, 245.236



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, 42.622, 257.393



68, 50.783, 263.418



46, 88.228, 298.065



49, 3.997, 243.310



47, 45.250, 270.409



13, 18.248, 262.394

Inverse Universe

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



59, 75.815, 345.378



58, 85.735, 348.076



88, 73.080, 97.358



48, 6.677, 338.664



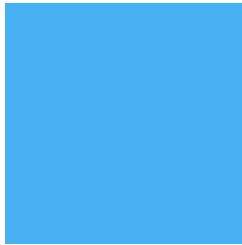
41, 69.422, 351.726



9, 31.711, 347.564

Previews

White Background



This preview shows how the CIELCh color 69, 42.623, 257.392 looks on a white background.

Color Contrast Check

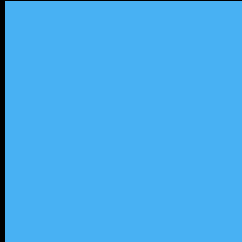
Large Text (above 18pt) WCAG AA × Fail

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, 42.623, 257.392 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

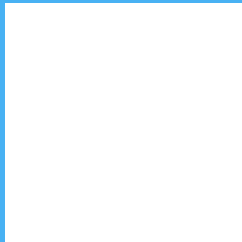
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 42.623, 257.392

Background



This preview shows how black text looks on a background with the CIELCh color 69, 42.623, 257.392.



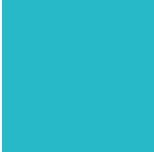
This preview shows how white text looks on a background with the CIELCh color 69, 42.623, 257.392.

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, 36.036, 210.201

Trichromacy



Original Color
69, 42.623, 257.392

Protanomaly
68, 39.233, 272.759

Deuteranomaly
69, 43.205, 272.924

Tritanomaly
69, 35.800, 229.171

Monochromacy



Original Color
69, 42.623, 257.392

Achromatopsia
63, 0.008, 296.813

Achromatomaly
65, 17.995, 246.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 42.623, 257.392 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(72, 177, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 177, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 42.623, 257.392 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, 243) }
```

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

```
.border{ border-color:rgb(72, 177, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 177, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 177, 243);  
box-shadow:4px 4px 4px 4px rgb(72, 177,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 42.623, 257.392 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, 243) }
```

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

```
.background{ background-color: rgb(72, 177,  
243) }
```

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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