

Converting Colors

CIELCh(70, 52.801, 267.890)

Have a look what the booklet for
CIELCh(70, 52.801, 267.890)
contains.

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Color

CIELCh(69, 47.788, 263.041)

Conversions

Conversions Part 1

Format	Color
Hex	42B0FE
RGB	66, 176, 254
RGB Percent	26%, 69%, 100%
CMY	0.7397, 0.3100, 0.0045
CMYK	0.74, 0.31, 0.00, 0.00
HSL	205°, 99%, 63%
HSV	205°, 74%, 100%
XYZ	35.6506, 39.3444, 99.3556
YIQ	152.0020, -90.5980, 0.9380

Conversions

Conversions Part 2

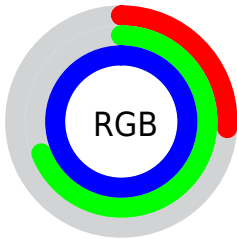
Format	Color
R _{YB}	66, 135, 254
Decimal	4370686
CIE _{Lab}	69.00, -5.79, -47.44
CIE _{LCh}	69, 47.788, 263.041
Y _{xy}	39.3444, 0.2045, 0.2257
Android (android.graphics.Color)	4282560766 (0xFF42B0FE)
YUV	152.0020, 50.2850, -75.4238
Hunter-Lab	62.7251, -8.3162, -50.0069

Details

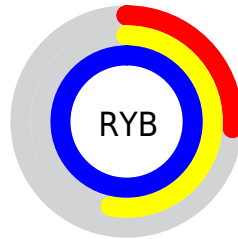
The CIELCh color **69, 47.788, 263.041** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **71, 67.615, 58.213**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 30.000, 222.788**, and **50, 45.905, 268.322** is the 20% darker color. If you saturate the color by 10%, you get **65, 53.064, 267.502**, and if you desaturate by 10%, it is **73, 42.313, 259.156**.

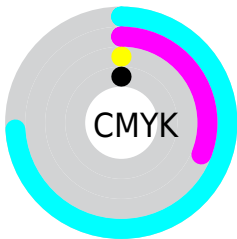
Distribution



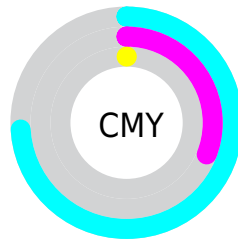
- Red (26%)
- Green (69%)
- Blue (100%)



- Red (26%)
- Yellow (53%)
- Blue (100%)



- Cyan (74%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (31%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 47.788, 263.041 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, 47.788, 263.041 by changing the saturation by 10% instead.

 69, 47.788,
263.041

 69, 47.788,
263.041


 100, 47.788,
263.041


 59, 47.788,
263.041


 89, 47.788,
263.041

 49, 47.788,
263.041

 99, 47.788,
263.041

 39, 47.788,
263.041

 29, 47.788,
263.041

 19, 47.788,
263.041

 9, 47.788, 263.041

 0, 47.788, 263.041

69, 47.788,
263.041

69, 47.788,
263.041

65, 53.064,
267.502

73, 42.313,
259.156

62, 58.308,
272.418

77, 36.535,
255.863

60, 61.619,
275.498

81, 30.407,
253.123

85, 23.934,
250.865

89, 17.150,
249.014

93, 10.102,
247.506

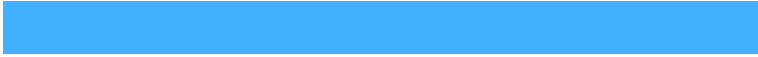
98, 2.846, 246.374

100, 0.571,
110.000

Harmonies

Complementary

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



69, 47.788, 263.041



71, 67.615, 58.213

Rectangle

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



69, 47.788, 263.041



69, 47.788, 313.041



69, 47.788, 83.041



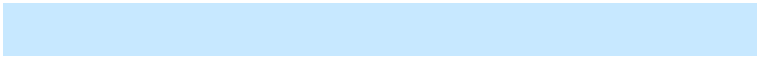
69, 47.788, 133.041

Sweetspot

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



69, 47.787, 263.042



90, 15.922, 248.711



89, 80.748, 149.658



47, 10.654, 249.160



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, 47.787, 263.042



64, 55.959, 270.000



45, 98.312, 299.675



51, 4.185, 246.951



46, 49.080, 274.576



14, 20.429, 267.453

Inverse Universe

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



60, 79.487, 347.931



57, 85.753, 351.532



92, 79.326, 98.030



50, 6.763, 340.066



42, 69.898, 354.340



11, 32.909, 350.075

Previews

White Background



This preview shows how the CIELCh color 69, 47.788, 263.041 looks on a white background.

Color Contrast Check

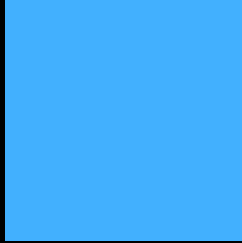
Large Text (above 18pt) WCAG AA × Fail

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, 47.788, 263.041 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

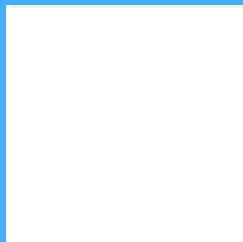
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 47.788, 263.041

Background



This preview shows how black text looks on a background with the CIELCh color 69, 47.788, 263.041.

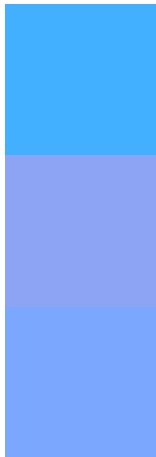


This preview shows how white text looks on a background with the CIELCh color 69, 47.788, 263.041.

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](#).

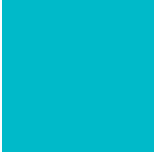
Dichromacy



Original Color
69, 47.849, 263.018

Protanopia
69, 44.200, 285.773

Deuteranopia
69, 49.065, 281.172



Tritanopia
69, 38.136, 209.306

Trichromacy



Original Color
69, 47.849, 263.018

Protanomaly
68, 45.504, 275.895

Deuteranomaly
69, 48.664, 274.188

Tritanomaly
69, 38.279, 230.755

Monochromacy



Original Color
69, 47.849, 263.018

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 19.907, 250.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 47.788, 263.041 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(66, 176, 254)` looks like.

```
.text, #text, p{  
    color:rgb(66, 176, 254)  
}
```

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(66, 176, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 176, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 47.788, 263.041 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(66, 176, 254) }
```

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

```
.border{ border-color:rgb(66, 176, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 176, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 176, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 176, 254);  
box-shadow:4px 4px 4px 4px rgb(66, 176,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 47.788, 263.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 176, 254) }
```

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

```
.background{ background-color: rgb(66, 176,  
254) }
```

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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