

Converting Colors

CIELCh(49, 88.428, 294.130)

Have a look what the booklet for
CIELCh(49, 88.428, 294.130)
contains.

CIELCh(49, 87.698, 293.922)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 87.698, 293.922)

Conversions

Conversions Part 1

Format	Color
Hex	2A68FF
RGB	42, 104, 255
RGB Percent	16%, 41%, 100%
CMY	0.8358, 0.5924, 0.0003
CMYK	0.84, 0.59, 0.00, 0.00
HSL	223°, 100%, 58%
HSV	223°, 84%, 100%
XYZ	23.9326, 17.5941, 96.6847
YIQ	102.6760, -85.4230, 33.8170

Conversions

Conversions Part 2

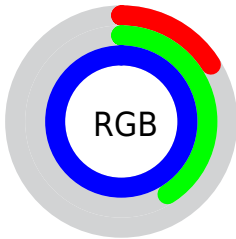
Format	Color
R _Y B	42, 90, 255
Decimal	2779391
CIE Lab	49.00, 35.56, -80.16
CIE LCh	49, 87.698, 293.922
Yxy	17.5941, 0.1732, 0.1273
Android (android.graphics.Color)	4280969471 (0xFF2A68FF)
YUV	102.6760, 75.0957, -53.2129
Hunter-Lab	41.9453, 28.4420, -107.3029

Details

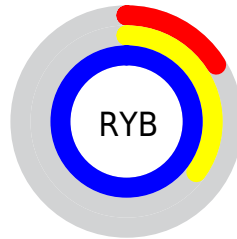
The CIELCh color **49, 87.698, 293.922** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed azure. A complement of this color would be **82, 77.247, 82.575**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 55.560, 287.427**, and **32, 85.845, 298.777** is the 20% darker color. If you saturate the color by 10%, you get **44, 99.195, 297.373**, and if you desaturate by 10%, it is **54, 76.175, 290.482**.

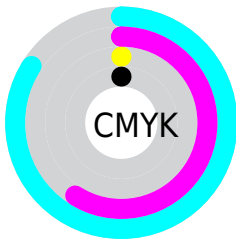
Distribution



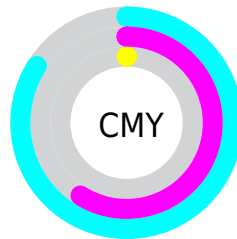
- Red (16%)
- Green (41%)
- Blue (100%)



- Red (16%)
- Yellow (35%)
- Blue (100%)



- Cyan (84%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 87.698, 293.922 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 49, 87.698, 293.922 by changing the saturation by 10% instead.


 49, 87.698,
293.922


 49, 87.698,
293.922


 100, 87.698,
293.922

 39, 87.698,
293.922

 69, 87.698,
293.922

 29, 87.698,
293.922

 79, 87.698,
293.922

 19, 87.698,
293.922

 89, 87.698,
293.922

 9, 87.698, 293.922

 99, 87.698,
293.922

 0, 87.698, 293.922

 49, 87.698,

 49, 87.698,

293.922

■ 44, 99.195,
297.373

■ 41, 106.324,
299.432

293.922

■ 54, 76.175,
290.482

■ 60, 64.910,
287.253

■ 66, 53.979,
284.350

■ 72, 43.366,
281.811

■ 79, 33.032,
279.624

■ 85, 22.944,
277.756

■ 91, 13.076,
276.167

■ 98, 3.414, 274.854

100, 0.023,
106.791

Harmonies

Complementary

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



49, 87.698, 293.922



82, 77.247, 82.575

Rectangle

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



49, 87.698, 293.922



49, 87.698, 343.922



49, 87.698, 113.922



49, 87.698, 163.922

Sweetspot

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



49, 87.698, 293.923



84, 24.375, 278.005



90, 65.169, 164.891



43, 16.693, 278.642



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 87.698, 293.923



41, 106.346, 299.432



39, 120.018, 306.684



50, 5.457, 275.593



31, 84.174, 298.858



7, 33.779, 294.011

Inverse Universe

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



56, 80.616, 14.381



54, 88.703, 23.135



94, 93.865, 113.908



50, 5.642, 357.420



40, 70.989, 22.044



10, 31.497, 13.350

Previews

White Background



This preview shows how the CIE LCh color 49, 87.698, 293.922 looks on a white background.

Color Contrast Check

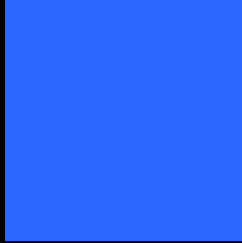
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 49, 87.698, 293.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

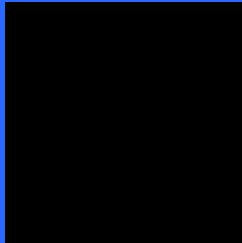
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

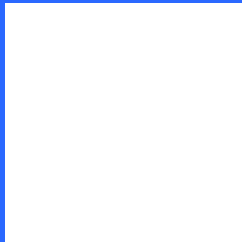
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 87.698, 293.922

Background



This preview shows how black text looks on a background with the CIELCh color 49, 87.698, 293.922.



This preview shows how white text looks on a background with the CIELCh color 49, 87.698, 293.922.

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
49, 29.138, 206.012

Trichromacy



Original Color
49, 87.698, 293.922

Protanomaly
49, 78.967, 290.131

Deuteranomaly
48, 64.001, 283.958

Tritanomaly
48, 39.514, 263.121

Monochromacy



Original Color
49, 87.698, 293.922

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 33.265, 283.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 87.698, 293.922 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(42, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 104, 255)  
}
```

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(42, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 104, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 87.698, 293.922 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(42, 104, 255) }
```

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

```
.border{ border-color:rgb(42, 104, 255) }
```

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

Here you see how a box with a 4 pixel rgb(42, 104, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 104,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 87.698, 293.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 104, 255) }
```

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

```
.background{ background-color: rgb(42, 104,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor