

Converting Colors

CIELCh(69, 49.355, 286.694)

Have a look what the booklet for
CIELCh(69, 49.355, 286.694)
contains.

CIELCh(69, 49.595, 286.822)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(69, 49.595, 286.822)

Conversions

Conversions Part 1

Format	Color
Hex	8BA4FE
RGB	139, 164, 254
RGB Percent	55%, 64%, 100%
CMY	0.4537, 0.3557, 0.0027
CMYK	0.45, 0.35, 0.00, 0.00
HSL	227°, 99%, 77%
HSV	227°, 45%, 100%
XYZ	41.9650, 39.3444, 99.4122
YIQ	166.7850, -43.7900, 22.6900

Conversions

Conversions Part 2

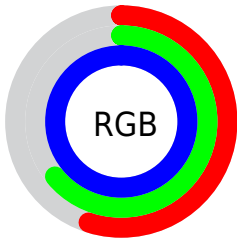
Format	Color
R _Y B	139, 160, 254
Decimal	9151742
CIE Lab	69.00, 14.35, -47.47
CIE LCh	69, 49.595, 286.822
Yxy	39.3444, 0.2322, 0.2177
Android (android.graphics.Color)	4287341822 (0xFF8BA4FE)
YUV	166.7850, 42.9970, -24.3674
Hunter-Lab	62.7251, 9.6529, -50.0604

Details

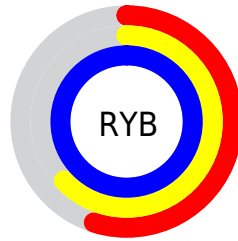
The CIELCh color $69, 49.595, 286.822$ is a light color, and the websafe version is hex $6699FF$. A complement of this color would be $91, 46.939, 93.831$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 19.954, 270.697$, and $49, 49.467, 286.582$ is the 20% darker color. If you saturate the color by 10%, you get $62, 61.569, 289.282$, and if you desaturate by 10%, it is $76, 38.024, 284.693$.

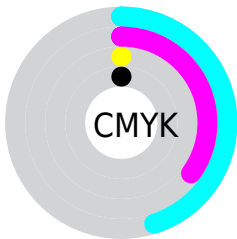
Distribution



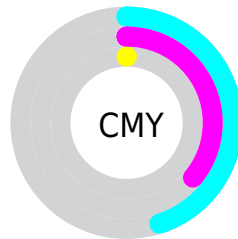
- Red (55%)
- Green (64%)
- Blue (100%)



- Red (55%)
- Yellow (63%)
- Blue (100%)



- Cyan (45%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 49.595, 286.822 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, 49.595, 286.822 by changing the saturation by 10% instead.

 69, 49.595,
286.822

 69, 49.595,
286.822

 100, 49.595,
286.822

 59, 49.595,
286.822

 89, 49.595,
286.822

 49, 49.595,
286.822

 99, 49.595,
286.822

 39, 49.595,
286.822

 29, 49.595,
286.822

 19, 49.595,
286.822

 9, 49.595, 286.822

 0, 49.595, 286.822

■ 69, 49.595,
286.822

■ 69, 49.595,
286.822

■ 62, 61.569,
289.282

■ 76, 38.024,
284.693

■ 56, 73.958,
292.061

■ 83, 26.825,
282.869

■ 50, 86.673,
295.089

■ 89, 15.962,
281.315

■ 44, 99.393,
298.204

■ 96, 5.407, 280.006

■ 40, 111.393,
301.151

100, 0.336,
109.923

■ 38, 116.574,
302.381

Harmonies

Complementary

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



69, 49.595, 286.822



91, 46.939, 93.831

Rectangle

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



69, 49.595, 286.822



69, 49.595, 336.822



69, 49.595, 106.822



69, 49.595, 156.822

Sweetspot

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



69, 49.594, 286.822



90, 14.689, 281.142



93, 39.083, 176.094



47, 10.171, 281.450



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, 49.594, 286.822



63, 60.216, 288.965



65, 64.512, 304.199



50, 5.930, 280.535



28, 92.673, 301.921



6, 36.999, 297.075

Inverse Universe

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



71, 46.522, 7.992



67, 55.945, 9.972



95, 58.173, 117.798



50, 5.463, 2.792



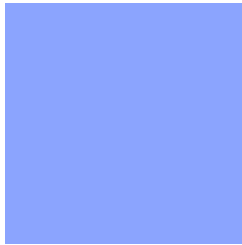
40, 74.114, 28.281



10, 31.884, 17.846

Previews

White Background



This preview shows how the CIELCh color 69, 49.595, 286.822 looks on a white background.

Color Contrast Check

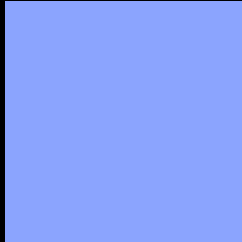
Large Text (above 18pt) WCAG AA × Fail

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, 49.595, 286.822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

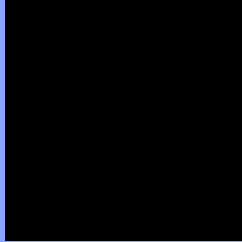
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 49.595, 286.822

Background



This preview shows how black text looks on a background with the CIELCh color 69, 49.595, 286.822.



This preview shows how white text looks on a background with the CIELCh color 69, 49.595, 286.822.

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

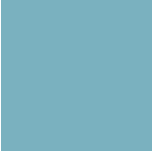
69, 49.595, 286.822

Protanopia

69, 49.667, 285.606

Deuteranopia

69, 48.370, 282.044



Tritanopia
69, 19.320, 221.742

Trichromacy



Original Color
69, 49.595, 286.822

Protanomaly
69, 49.635, 285.897

Deuteranomaly
69, 48.738, 283.735

Tritanomaly
69, 26.255, 261.054

Monochromacy



Original Color
69, 49.595, 286.822

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 18.341, 282.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 49.595, 286.822 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(139, 164, 254)` looks like.

```
.text, #text, p{  
    color:rgb(139, 164, 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(139, 164, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 164, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 49.595, 286.822 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(139, 164, 254) }
```

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

```
.border{ border-color:rgb(139, 164, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 164, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 164, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 164, 254);  
box-shadow:4px 4px 4px 4px rgb(139, 164,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 49.595, 286.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 164, 254) }
```

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

```
.background{ background-color: rgb(139,  
164, 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](#).

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