

Converting Colors

CIELCh(69, 21.804, 257.486)

Have a look what the booklet for
CIELCh(69, 21.804, 257.486)
contains.

CIELCh(69, 21.604, 256.326)	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(69, 21.604, 256.326)

Conversions

Conversions Part 1

Format	Color
Hex	86ADCE
RGB	134, 173, 206
RGB Percent	53%, 68%, 81%
CMY	0.4750, 0.3221, 0.1927
CMYK	0.35, 0.16, 0.00, 0.19
HSL	207°, 42%, 67%
HSV	207°, 35%, 81%
XYZ	35.8535, 39.3444, 64.0106
YIQ	165.1010, -33.8370, 1.9950

Conversions

Conversions Part 2

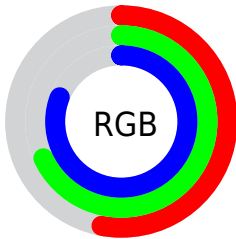
Format	Color
RYB	134, 159, 206
Decimal	8826318
CIELab	69.00, -5.11, -20.99
CIElCh	69, 21.604, 256.326
Yxy	39.3444, 0.2576, 0.2826
Android (android.graphics.Color)	4287016398 (0xFF86ADCE)
YUV	165.1010, 20.1632, -27.2756
Hunter-Lab	62.7251, -7.7387, -16.5975

Details

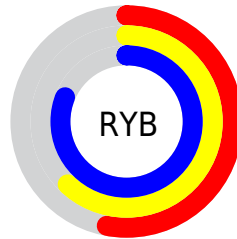
The CIELCh color **69, 21.604, 256.326** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **71, 24.470, 66.702**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 18.541, 248.540**, and **49, 21.718, 256.158** is the 20% darker color. If you saturate the color by 10%, you get **65, 27.408, 258.666**, and if you desaturate by 10%, it is **73, 15.608, 254.376**.

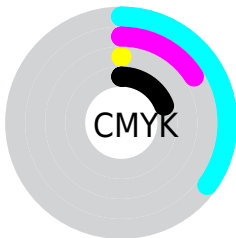
Distribution



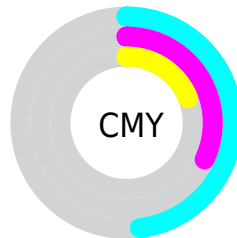
- Red (53%)
- Green (68%)
- Blue (81%)



- Red (53%)
- Yellow (62%)
- Blue (81%)



- Cyan (35%)
- Magenta (16%)
- Yellow (0%)
- Black (19%)





- Cyan (48%)
- Magenta (32%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 21.604, 256.326 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, 21.604, 256.326 by changing the saturation by 10% instead.


 69, 21.604,
256.326


 69, 21.604,
256.326


 100, 21.604,
256.326


 59, 21.604,
256.326


 89, 21.604,
256.326

 49, 21.604,
256.326

 99, 21.604,
256.326

 39, 21.604,
256.326

 29, 21.604,
256.326

 19, 21.604,
256.326

 9, 21.604, 256.326

 0, 21.604, 256.326

69, 21.604,
256.326

69, 21.604,
256.326

65, 27.408,
258.666

73, 15.608,
254.376

62, 33.007,
261.469

77, 9.451, 252.765

81, 3.167, 251.489

58, 38.411,
264.788

85, 3.211, 70.087

55, 43.668,
268.642

89, 9.652, 69.204

51, 48.867,
272.993

93, 15.536, 70.926

95, 17.956, 89.134

48, 54.130,
277.703

97, 21.700,
101.905

47, 56.863,
280.036

99, 24.801,
108.296

Harmonies

Complementary

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



69, 21.604, 256.326



71, 24.470, 66.702

Rectangle

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



69, 21.604, 256.326



69, 21.604, 306.326



69, 21.604, 76.326



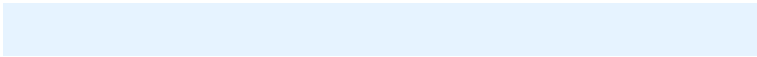
69, 21.604, 126.326

Sweetspot

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



69, 21.603, 256.324



95, 7.544, 252.095



77, 33.518, 157.811



50, 5.140, 252.284



0, 0.000, 0.000



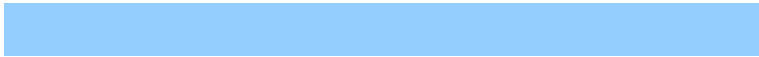
53, 0.007, 296.813

Same Dimension

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



69, 21.603, 256.324



81, 30.559, 258.053



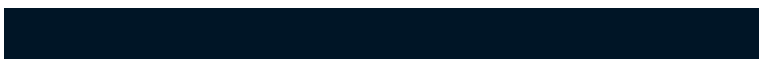
59, 38.703, 292.734



41, 3.573, 252.001



38, 47.711, 279.240



6, 14.372, 267.117

Inverse Universe

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



64, 34.435, 344.651



74, 49.014, 345.530



80, 35.779, 104.570



40, 5.464, 342.178



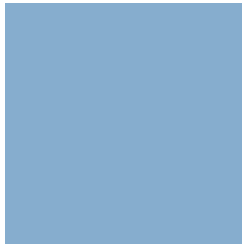
36, 62.029, 357.758



4, 20.370, 350.895

Previews

White Background



This preview shows how the CIELCh color 69, 21.604, 256.326 looks on a white background.

Color Contrast Check

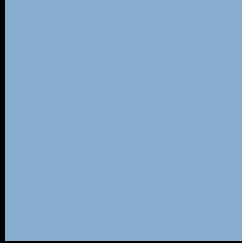
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 21.604, 256.326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

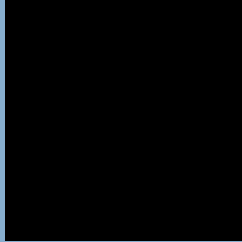
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

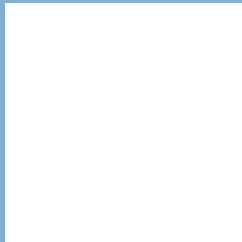
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 21.604, 256.326

Background



This preview shows how black text looks on a background with the CIELCh color 69, 21.604, 256.326.



This preview shows how white text looks on a background with the CIELCh color 69, 21.604, 256.326.

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, 16.945, 225.481

Trichromacy



Original Color
69, 21.604, 256.326

Protanomaly
69, 19.977, 274.528

Deuteranomaly
69, 22.340, 280.328

Tritanomaly
69, 18.162, 238.186

Monochromacy



Original Color
69, 21.604, 256.326

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 8.200, 253.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 21.604, 256.326 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(134, 173, 206)` looks like.

```
.text, #text, p{  
    color:rgb(134, 173, 206)  
}
```

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(134, 173, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 173, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 21.604, 256.326 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(134, 173, 206) }
```

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

```
.border{ border-color:rgb(134, 173, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 173, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 173, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 173, 206);  
box-shadow:4px 4px 4px 4px rgb(134, 173,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 21.604, 256.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 173, 206) }
```

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

```
.background{ background-color: rgb(134,  
173, 206) }
```

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