

Converting Colors

CIELCh(68, 27.544, 243.618)

Have a look what the booklet for
CIELCh(68, 27.544, 243.618)
contains.

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Color

CIELCh(68, 27.693, 244.427)

Conversions

Conversions Part 1

Format	Color
Hex	69AED2
RGB	105, 174, 210
RGB Percent	41%, 68%, 82%
CMY	0.5879, 0.3173, 0.1761
CMYK	0.50, 0.17, 0.00, 0.18
HSL	201°, 54%, 62%
HSV	201°, 50%, 82%
XYZ	32.6333, 37.9720, 66.6411
YIQ	157.4730, -52.6800, -3.4320

Conversions

Conversions Part 2

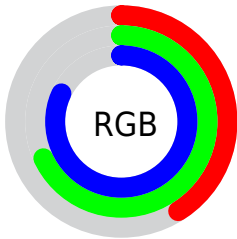
Format	Color
RYB	105, 147, 210
Decimal	6926034
CIELab	68.00, -11.95, -24.98
CIELCh	68, 27.693, 244.427
Yxy	37.9720, 0.2378, 0.2767
Android (android.graphics.Color)	4285116114 (0xFF69AED2)
YUV	157.4730, 25.8958, -46.0188
Hunter-Lab	61.6215, -13.3082, -20.9847

Details

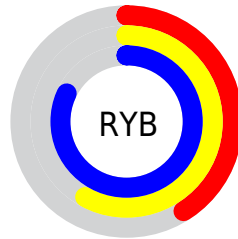
The CIELCh color **68, 27.693, 244.427** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **65, 37.201, 53.283**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 24.250, 232.644**, and **48, 27.520, 243.369** is the 20% darker color. If you saturate the color by 10%, you get **65, 32.066, 247.162**, and if you desaturate by 10%, it is **71, 22.864, 242.210**.

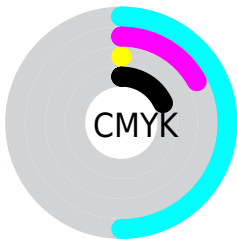
Distribution



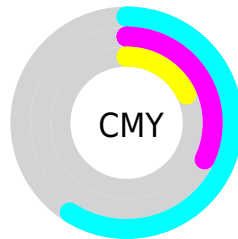
- Red (41%)
- Green (68%)
- Blue (82%)



- Red (41%)
- Yellow (58%)
- Blue (82%)



- Cyan (50%)
- Magenta (17%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (32%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 27.693, 244.427 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 68, 27.693, 244.427 by changing the saturation by 10% instead.


 68, 27.693,
244.427

 68, 27.693,
244.427


 100, 27.693,
244.427


 58, 27.693,
244.427


 88, 27.693,
244.427

 48, 27.693,
244.427

 98, 27.693,
244.427

 38, 27.693,
244.427

 28, 27.693,
244.427

 18, 27.693,
244.427

 8, 27.693, 244.427

 0, 27.693, 244.427

68, 27.693,
244.427

68, 27.693,
244.427

65, 32.066,
247.162

71, 22.864,
242.210

62, 35.980,
250.499

74, 17.620,
240.429

60, 39.480,
254.489

77, 12.018,
239.006

57, 42.681,
259.118

81, 6.122, 237.891

55, 45.797,
264.151

84, 0.013, 14.882

55, 45.805,
264.163

88, 6.321, 56.045

91, 12.766, 55.472

93, 14.147, 71.234

95, 15.927, 86.824

Harmonies

Complementary

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



68, 27.693, 244.427



65, 37.201, 53.283

Rectangle

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



68, 27.693, 244.427



68, 27.693, 294.427



68, 27.693, 64.427



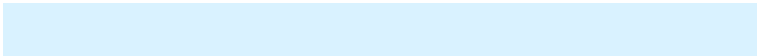
68, 27.693, 114.427

Sweetspot

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



68, 27.692, 244.426



94, 10.665, 238.432



77, 52.545, 150.850



49, 7.245, 238.678



0, 0.000, 0.000



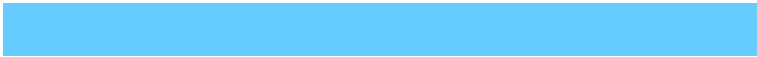
53, 0.007, 296.813

Same Dimension

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



68, 27.692, 244.426



78, 37.441, 247.373



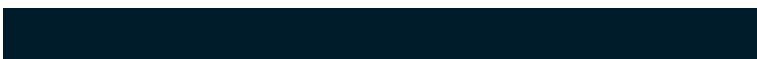
54, 50.426, 290.498



42, 3.472, 237.837



44, 38.456, 263.286



8, 13.194, 251.447

Inverse Universe

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



59, 52.897, 340.254



66, 72.149, 341.459



78, 46.251, 96.585



41, 6.047, 336.706



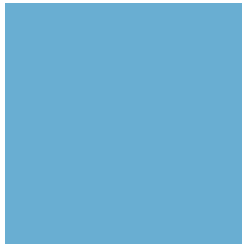
37, 65.986, 347.981



5, 23.947, 343.525

Previews

White Background



This preview shows how the CIE LCh color 68, 27.693, 244.427 looks on a white background.

Color Contrast Check

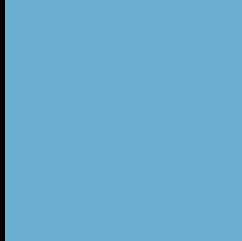
Large Text (above 18pt) WCAG AA × Fail

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 68, 27.693, 244.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

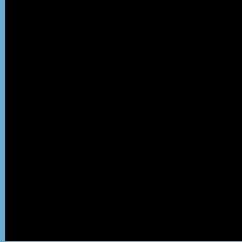
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 27.693, 244.427

Background



This preview shows how black text looks on a background with the CIELCh color 68, 27.693, 244.427.

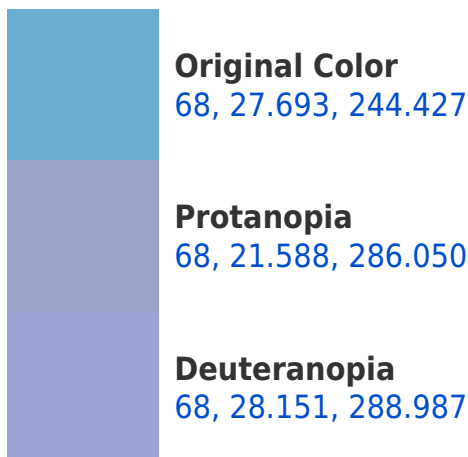


This preview shows how white text looks on a background with the CIELCh color 68, 27.693, 244.427.

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
68, 25.043, 217.091

Trichromacy



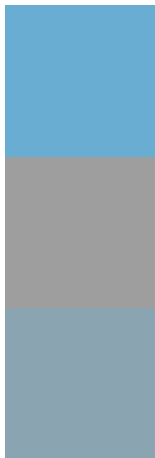
Original Color
68, 27.693, 244.427

Protanomaly
68, 22.742, 266.937

Deuteranomaly
68, 26.624, 272.480

Tritanomaly
68, 25.470, 227.965

Monochromacy



Original Color
68, 27.693, 244.427

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 11.203, 239.062

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 27.693, 244.427 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(105, 174, 210)` looks like.

```
.text, #text, p{  
    color:rgb(105, 174, 210)  
}
```

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(105, 174, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 174, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 27.693, 244.427 is called "border". The border property can be set on classes, ids or directly on the HTML element.

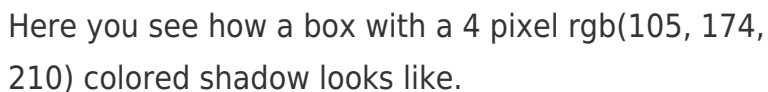
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 174, 210) }
```

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

```
.border{ border-color:rgb(105, 174, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 174, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 174, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 174, 210); box-shadow:4px 4px 4px 4px rgb(105, 174, 210) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 27.693, 244.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 174, 210) }
```

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

```
.background{ background-color: rgb(105,  
174, 210) }
```

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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