

Converting Colors

CIELCh(68, 29.443, 247.691)

Have a look what the booklet for
CIELCh(68, 29.443, 247.691)
contains.

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Color

CIELCh(68, 29.336, 247.466)

Conversions

Conversions Part 1

Format	Color
Hex	67AED6
RGB	103, 174, 214
RGB Percent	40%, 68%, 84%
CMY	0.5964, 0.3179, 0.1611
CMYK	0.52, 0.19, 0.00, 0.16
HSL	202°, 57%, 62%
HSV	202°, 52%, 84%
XYZ	32.8326, 37.9720, 69.1637
YIQ	157.3310, -55.1560, -2.6120

Conversions

Conversions Part 2

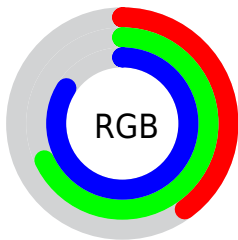
Format	Color
R _Y B	103, 146, 214
Decimal	6794966
CIE Lab	68.00, -11.24, -27.10
CIE LCh	68, 29.336, 247.466
Yxy	37.9720, 0.2346, 0.2713
Android (android.graphics.Color)	4284985046 (0xFF67AED6)
YUV	157.3310, 27.9378, -47.6483
Hunter-Lab	61.6215, -12.7307, -23.4119

Details

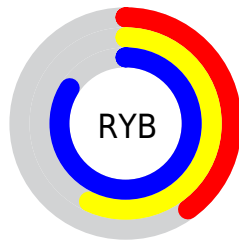
The CIELCh color **68, 29.336, 247.466** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **66, 39.325, 54.905**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 24.695, 231.920**, and **48, 29.220, 246.784** is the 20% darker color. If you saturate the color by 10%, you get **65, 33.844, 250.404**, and if you desaturate by 10%, it is **71, 24.398, 245.066**.

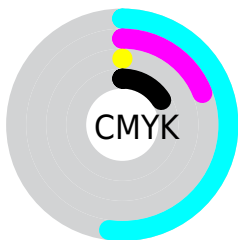
Distribution



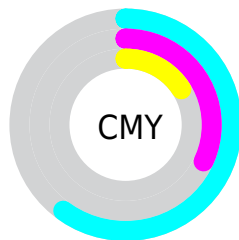
- Red (40%)
- Green (68%)
- Blue (84%)



- Red (40%)
- Yellow (57%)
- Blue (84%)



- Cyan (52%)
- Magenta (19%)
- Yellow (0%)
- Black (16%)



- Cyan (60%)
- Magenta (32%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 29.336, 247.466 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, 29.336, 247.466 by changing the saturation by 10% instead.

 68, 29.336,
247.466

 68, 29.336,
247.466

 100, 29.336,
247.466

 58, 29.336,
247.466

 88, 29.336,
247.466

 48, 29.336,
247.466

 98, 29.336,
247.466

 38, 29.336,
247.466

 28, 29.336,
247.466

 18, 29.336,
247.466

 8, 29.336, 247.466

 0, 29.336, 247.466

68, 29.336,
247.466

68, 29.336,
247.466

65, 33.844,
250.404

71, 24.398,
245.066

62, 37.934,
253.953

74, 19.063,
243.124

59, 41.673,
258.146

78, 13.379,
241.559

57, 45.189,
262.934

81, 7.405, 240.313

55, 48.040,
267.039

85, 1.199, 239.624

89, 5.186, 58.271

92, 11.702, 57.632

94, 13.256, 76.268

96, 15.592, 92.806

Harmonies

Complementary

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



68, 29.336, 247.466



66, 39.325, 54.905

Rectangle

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



68, 29.336, 247.466



68, 29.336, 297.466



68, 29.336, 67.466



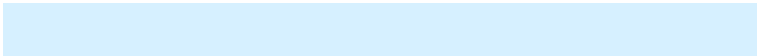
68, 29.336, 117.466

Sweetspot

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



68, 29.335, 247.465



93, 11.405, 240.808



78, 54.449, 151.251



49, 7.669, 241.069



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, 29.335, 247.465



76, 38.999, 250.642



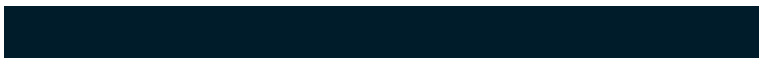
53, 54.449, 291.773



43, 3.554, 240.055



44, 40.198, 266.168



9, 14.069, 254.781

Inverse Universe

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



59, 54.894, 341.353



65, 73.220, 342.661



79, 49.321, 97.380



42, 6.092, 337.478



37, 66.073, 349.402



5, 25.410, 344.737

Previews

White Background



This preview shows how the CIE LCh color 68, 29.336, 247.466 looks on a white background.

Color Contrast Check

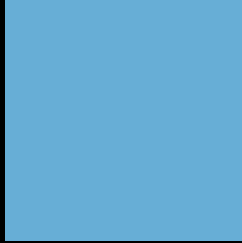
Large Text (above 18pt) WCAG AA × Fail

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, 29.336, 247.466 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

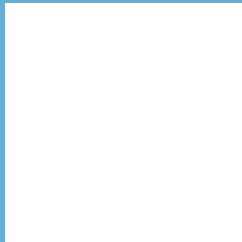
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 29.336, 247.466

Background



This preview shows how black text looks on a background with the CIELCh color 68, 29.336, 247.466.

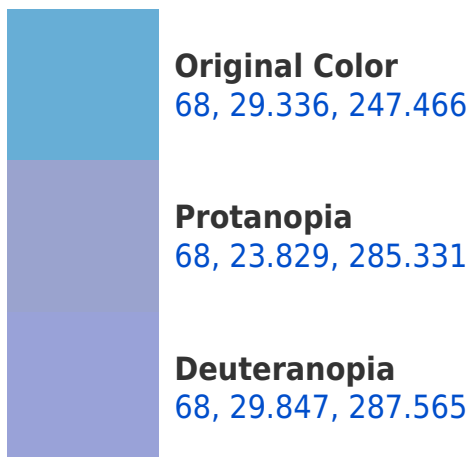


This preview shows how white text looks on a background with the CIELCh color 68, 29.336, 247.466.

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, 26.086, 214.895

Trichromacy



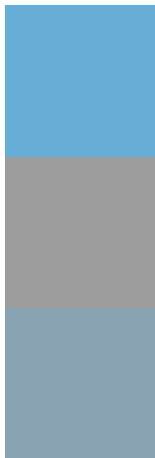
Original Color
68, 29.336, 247.466

Protanomaly
68, 24.910, 268.281

Deuteranomaly
68, 28.315, 272.816

Tritanomaly
68, 26.284, 226.861

Monochromacy



Original Color
68, 29.336, 247.466

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 12.128, 242.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 29.336, 247.466 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(103, 174, 214)` looks like.

```
.text, #text, p{  
    color:rgb(103, 174, 214)  
}
```

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(103, 174, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 174, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 29.336, 247.466 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(103, 174, 214) }
```

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

```
.border{ border-color:rgb(103, 174, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 174, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 174, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 174, 214); box-shadow:4px 4px 4px 4px rgb(103, 174, 214) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 29.336, 247.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 174, 214) }
```

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

```
.background{ background-color: rgb(103,  
174, 214) }
```

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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