

Converting Colors

CIELCh(69, 35.996, 227.173)

Have a look what the booklet for
CIELCh(69, 35.996, 227.173)
contains.

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Color

CIELCh(69, 35.927, 226.896)

Conversions

Conversions Part 1

Format	Color
Hex	30B7D7
RGB	48, 183, 215
RGB Percent	19%, 72%, 84%
CMY	0.8125, 0.2828, 0.1573
CMYK	0.78, 0.15, 0.00, 0.16
HSL	191°, 68%, 52%
HSV	191°, 78%, 84%
XYZ	30.3709, 39.3444, 70.2053
YIQ	146.2830, -90.7320, -18.6680

Conversions

Conversions Part 2

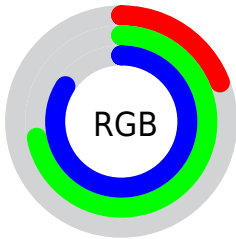
Format	Color
RYB	48, 123, 215
Decimal	3192791
CIELab	69.00, -24.55, -26.23
CIELCh	69, 35.927, 226.896
Yxy	39.3444, 0.2171, 0.2812
Android (android.graphics.Color)	4281382871 (0xFF30B7D7)
YUV	146.2830, 33.8775, -86.1942
Hunter-Lab	62.7251, -23.3411, -22.4529

Details

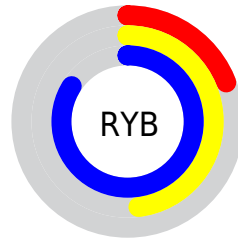
The CIELCh color **69, 35.927, 226.896** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **52, 68.868, 41.661**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 34.370, 211.572**, and **50, 30.831, 232.392** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.431, 229.801**, and if you desaturate by 10%, it is **71, 33.659, 224.576**.

Distribution



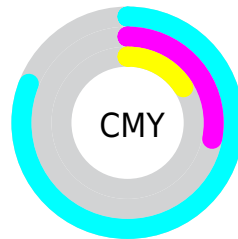
- Red (19%)
- Green (72%)
- Blue (84%)



- Red (19%)
- Yellow (48%)
- Blue (84%)



- Cyan (78%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)





- Cyan (81%)
- Magenta (28%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 35.927, 226.896 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, 35.927, 226.896 by changing the saturation by 10% instead.

 69, 35.927,
226.896


 69, 35.927,
226.896


 100, 35.927,
226.896


 59, 35.927,
226.896


 89, 35.927,
226.896

 49, 35.927,
226.896

 99, 35.927,
226.896

 39, 35.927,
226.896

 29, 35.927,
226.896

 19, 35.927,
226.896

 9, 35.927, 226.896

 0, 35.927, 226.896

69, 35.927,
226.896

69, 35.927,
226.896

67, 37.431,
229.801

71, 33.659,
224.576

66, 38.321,
233.309

73, 30.585,
222.766

66, 38.498,
234.132

75, 26.724,
221.384

77, 22.143,
220.352

79, 16.932,
219.604

81, 11.191,
219.088

84, 5.020, 218.792

87, 1.491, 38.069

Harmonies

Complementary

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



69, 35.927, 226.896



52, 68.868, 41.661

Rectangle

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



69, 35.927, 226.896



69, 35.927, 276.896



69, 35.927, 46.896



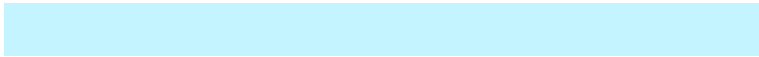
69, 35.927, 96.896

Sweetspot

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



69, 35.926, 226.896



93, 16.381, 219.344



76, 86.840, 141.485



49, 11.197, 219.550



0, 0.000, 0.000



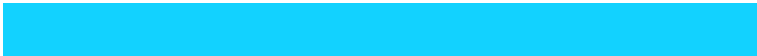
53, 0.007, 296.813

Same Dimension

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



69, 35.926, 226.896



78, 43.275, 231.901



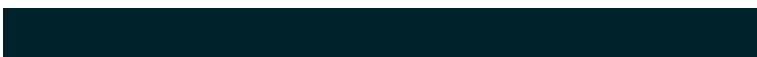
45, 67.733, 290.077



44, 3.653, 218.822



53, 32.412, 233.474



12, 12.652, 225.890

Inverse Universe

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



52, 82.153, 335.645



58, 98.986, 337.129



70, 63.465, 81.599



42, 6.871, 330.787



39, 73.831, 337.579



6, 28.623, 335.476

Previews

White Background



This preview shows how the CIE LCh color 69, 35.927, 226.896 looks on a white background.

Color Contrast Check

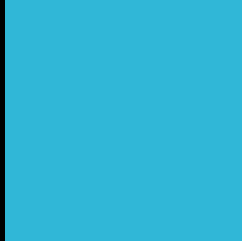
Large Text (above 18pt) WCAG AA × Fail

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, 35.927, 226.896 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, 35.927, 226.896

Background



This preview shows how black text looks on a background with the CIELCh color 69, 35.927, 226.896.



This preview shows how white text looks on a background with the CIELCh color 69, 35.927, 226.896.

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](#).

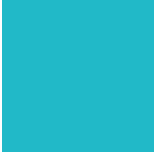
Dichromacy



Original Color
69, 35.927, 226.896

Protanopia
69, 20.430, 285.522

Deuteranopia
68, 30.325, 287.691



Tritanopia
69, 36.517, 209.989

Trichromacy



Original Color
69, 35.927, 226.896



Protanomaly
68, 24.707, 250.314



Deuteranomaly
68, 29.871, 259.488



Tritanomaly
69, 35.999, 215.867

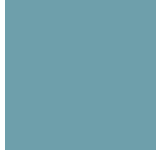
Monochromacy



Original Color
69, 35.927, 226.896



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 17.530, 220.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 35.927, 226.896 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(48, 183, 215)` looks like.

```
.text, #text, p{  
    color:rgb(48, 183, 215)  
}
```

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(48, 183, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 183, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 35.927, 226.896 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(48, 183, 215) }
```

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

```
.border{ border-color:rgb(48, 183, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 183, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 183, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 183, 215);  
box-shadow:4px 4px 4px 4px rgb(48, 183,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 35.927, 226.896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 183, 215) }
```

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

```
.background{ background-color: rgb(48, 183,  
215) }
```

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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