

Converting Colors

CIELCh(70, 37.219, 276.657)

Have a look what the booklet for
CIELCh(70, 37.219, 276.657)
contains.

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Color

CIELCh(70, 37.219, 276.657)

Conversions

Conversions Part 1

Format	Color
Hex	87ACEE
RGB	135, 172, 238
RGB Percent	53%, 67%, 93%
CMY	0.4712, 0.3261, 0.0673
CMYK	0.43, 0.28, 0.00, 0.07
HSL	218°, 75%, 73%
HSV	218°, 43%, 93%
XYZ	40.0993, 40.7494, 86.5171
YIQ	168.4610, -43.2380, 12.6820

Conversions

Conversions Part 2

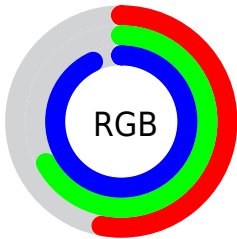
Format	Color
RYB	135, 162, 238
Decimal	8891630
CIELab	70.00, 4.31, -36.97
CIELCh	70, 37.219, 276.657
Yxy	40.7494, 0.2396, 0.2435
Android (android.graphics.Color)	4287081710 (0xFF87ACEE)
YUV	168.4610, 34.2827, -29.3453
Hunter-Lab	63.8353, 0.4164, -35.6721

Details

The CIELCh color `70, 37.219, 276.657` is a light color, and the websafe version is hex `6699CC`. A complement of this color would be `83, 38.059, 83.212`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 18.172, 252.724`, and `50, 37.348, 276.768` is the 20% darker color. If you saturate the color by 10%, you get `65, 46.137, 279.290`, and if you desaturate by 10%, it is `75, 28.439, 274.399`.

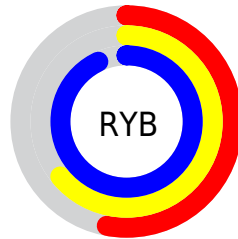
Distribution



Red (53%)

Green (67%)

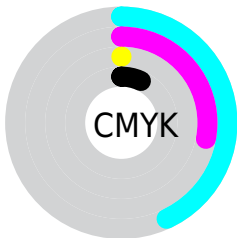
Blue (93%)



Red (53%)

Yellow (64%)

Blue (93%)

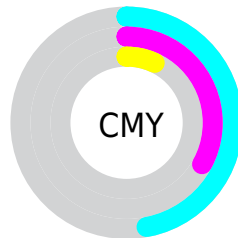


Cyan (43%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (47%)


Magenta (33%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 37.219, 276.657 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 70, 37.219, 276.657 by changing the saturation by 10% instead.


 70, 37.219,
276.657


 70, 37.219,
276.657


 100, 37.219,
276.657


 60, 37.219,
276.657


 90, 37.219,
276.657

 50, 37.219,
276.657

 40, 37.219,
276.657

 30, 37.219,
276.657

 20, 37.219,
276.657

 10, 37.219,
276.657

 0, 37.219, 276.657

70, 37.219,
276.657

70, 37.219,
276.657

65, 46.137,
279.290

75, 28.439,
274.399

59, 55.236,
282.321

81, 19.778,
272.476

54, 64.564,
285.730

87, 11.224,
270.843

49, 74.145,
289.431

92, 2.777, 269.516

45, 83.915,
293.249

98, 5.561, 88.148

42, 90.470,
295.699

100, 8.686,
109.518

Harmonies

Complementary

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



70, 37.219, 276.657



83, 38.059, 83.212

Rectangle

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



70, 37.219, 276.657



70, 37.219, 326.657



70, 37.219, 96.657



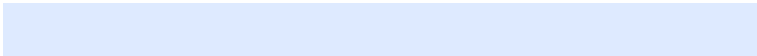
70, 37.219, 146.657

Sweetspot

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



70, 37.218, 276.657



92, 11.604, 270.805



87, 39.647, 166.905



48, 8.130, 271.142



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 37.218, 276.657



70, 47.585, 278.979



61, 58.058, 300.001



47, 4.814, 270.290



33, 73.228, 295.066



7, 27.153, 288.483

Inverse Universe

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



68, 43.648, 357.230



68, 55.214, 358.894



91, 51.978, 112.096



47, 5.557, 352.817



39, 66.916, 15.562



8, 28.765, 6.431

Previews

White Background



This preview shows how the CIELCh color 70, 37.219, 276.657 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 70, 37.219, 276.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

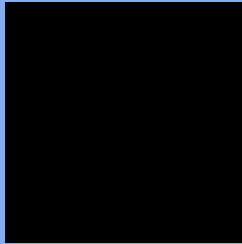
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

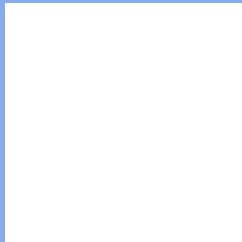
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 37.219, 276.657

Background



This preview shows how black text looks on a background with the CIELCh color 70, 37.219, 276.657.



This preview shows how white text looks on a background with the CIELCh color 70, 37.219, 276.657.

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

70, 37.219, 276.657

Protanopia

70, 36.885, 285.617

Deuteranopia

70, 38.626, 284.021



Tritanopia
70, 19.972, 222.570

Trichromacy



Original Color
70, 37.219, 276.657

Protanomaly
70, 37.121, 282.481

Deuteranomaly
70, 38.277, 281.681

Tritanomaly
70, 23.766, 250.646

Monochromacy



Original Color
70, 37.219, 276.657

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 13.819, 272.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 37.219, 276.657 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(135, 172, 238)` looks like.

```
.text, #text, p{  
    color:rgb(135, 172, 238)  
}
```

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(135, 172, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 172, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 37.219, 276.657 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(135, 172, 238) }
```

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

```
.border{ border-color:rgb(135, 172, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 172, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 172, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 172, 238);  
box-shadow:4px 4px 4px 4px rgb(135, 172,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 37.219, 276.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 172, 238) }
```

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

```
.background{ background-color: rgb(135,  
172, 238) }
```

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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