

Converting Colors

CIELCh(71, 36.263, 237.322)

Have a look what the booklet for
CIELCh(71, 36.263, 237.322)
contains.

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Color

CIELCh(71, 36.251, 237.383)

Conversions

Conversions Part 1

Format	Color
Hex	45BAE4
RGB	69, 186, 228
RGB Percent	27%, 73%, 89%
CMY	0.7308, 0.2688, 0.1040
CMYK	0.70, 0.18, 0.00, 0.10
HSL	196°, 75%, 58%
HSV	196°, 70%, 90%
XYZ	34.1508, 42.1875, 80.0842
YIQ	155.8050, -83.2140, -11.7420

Conversions

Conversions Part 2

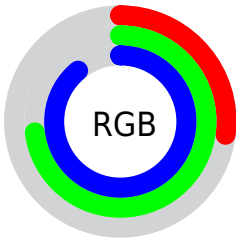
Format	Color
R _Y B	69, 136, 228
Decimal	4569828
CIE Lab	71.00, -19.54, -30.53
CIE LCh	71, 36.251, 237.383
Yxy	42.1875, 0.2183, 0.2697
Android (android.graphics.Color)	4282759908 (0xFF45BAE4)
YUV	155.8050, 35.5921, -76.1280
Hunter-Lab	64.9519, -19.8131, -27.6368

Details

The CIELCh color **71, 36.251, 237.383** 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 **60, 61.580, 45.902**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 31.848, 209.880**, and **52, 33.263, 241.096** is the 20% darker color. If you saturate the color by 10%, you get **69, 38.975, 240.792**, and if you desaturate by 10%, it is **73, 32.850, 234.629**.

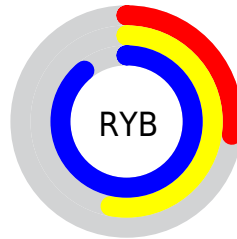
Distribution



Red (27%)

Green (73%)

Blue (89%)



Red (27%)

Yellow (53%)

Blue (89%)

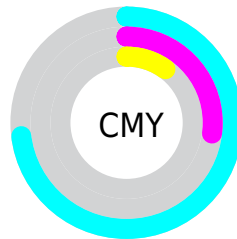


Cyan (70%)

Magenta (18%)

Yellow (0%)

Black (10%)



Cyan (73%)


Magenta (27%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 36.251, 237.383 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 71, 36.251, 237.383 by changing the saturation by 10% instead.


 71, 36.251,
237.383


 71, 36.251,
237.383


 100, 36.251,
237.383


 61, 36.251,
237.383


 91, 36.251,
237.383

 51, 36.251,
237.383

 41, 36.251,
237.383

 31, 36.251,
237.383

 21, 36.251,
237.383

 11, 36.251,
237.383

 1, 36.251, 237.383

0, 36.251, 237.383

71, 36.251,
237.383

71, 36.251,
237.383

69, 38.975,
240.792

73, 32.850,
234.629

67, 41.125,
244.903

76, 28.755,
232.444

65, 42.936,
249.589

79, 24.000,
230.734

65, 42.943,
249.608

82, 18.658,
229.410

85, 12.814,
228.399

88, 6.559, 227.659

■ 91, 0.026, 23.883

■ 94, 6.859, 46.448

■ 96, 8.084, 68.979

Harmonies

Complementary

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



71, 36.251, 237.383



60, 61.580, 45.902

Rectangle

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



71, 36.251, 237.383



71, 36.251, 287.383



71, 36.251, 57.383



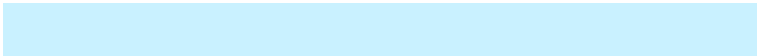
71, 36.251, 107.383

Sweetspot

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



71, 36.250, 237.383



93, 14.690, 228.503



81, 80.360, 144.766



49, 9.863, 228.765



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 36.250, 237.383



75, 43.481, 242.575



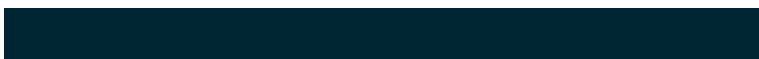
49, 69.968, 291.587



47, 3.758, 227.630



51, 35.514, 248.751



13, 14.304, 240.294

Inverse Universe

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



56, 77.538, 338.421



59, 92.277, 340.143



78, 63.255, 88.188



45, 6.913, 333.421



40, 72.421, 342.191



8, 31.239, 339.517

Previews

White Background



This preview shows how the CIE LCh color 71, 36.251, 237.383 looks on a white background.

Color Contrast Check

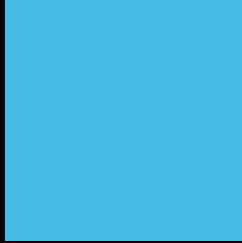
Large Text (above 18pt) WCAG AA × Fail

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 71, 36.251, 237.383 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 71, 36.251, 237.383

Background



This preview shows how black text looks on a background with the CIELCh color 71, 36.251, 237.383.



This preview shows how white text looks on a background with the CIELCh color 71, 36.251, 237.383.

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
71, 36.143, 237.531

Protanopia
71, 25.276, 285.137

Deuteranopia
71, 34.036, 286.055



Tritanopia
71, 35.375, 211.410

Trichromacy



Original Color
71, 36.143, 237.531

Protanomaly
70, 27.832, 259.279

Deuteranomaly
70, 33.000, 265.515

Tritanomaly
71, 34.985, 220.406

Monochromacy



Original Color
71, 36.143, 237.531

Achromatopsia
64, 0.008, 296.813

Achromatomaly
66, 16.424, 228.990

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 36.251, 237.383 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(69, 186, 228)` looks like.

```
.text, #text, p{  
    color:rgb(69, 186, 228)  
}
```

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(69, 186, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 186, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 36.251, 237.383 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(69, 186, 228) }
```

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

```
.border{ border-color:rgb(69, 186, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 186, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 186, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 186, 228);  
box-shadow:4px 4px 4px 4px rgb(69, 186,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 36.251, 237.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 186, 228) }
```

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

```
.background{ background-color: rgb(69, 186,  
228) }
```

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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