

Converting Colors

CIELCh(50, 71.215, 287.616)

Have a look what the booklet for
CIELCh(50, 71.215, 287.616)
contains.

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Color

CIELCh(50, 71.319, 287.628)

Conversions

Conversions Part 1

Format	Color
Hex	2272EC
RGB	34, 114, 236
RGB Percent	13%, 45%, 93%
CMY	0.8670, 0.5531, 0.0747
CMYK	0.86, 0.52, 0.00, 0.07
HSL	216°, 84%, 53%
HSV	216°, 86%, 93%
XYZ	21.8040, 18.4187, 81.7312
YIQ	103.9880, -86.8420, 20.9820

Conversions

Conversions Part 2

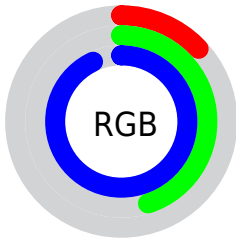
Format	Color
R _Y B	34, 91, 236
Decimal	2257644
CIE Lab	50.00, 21.60, -67.97
CIE LCh	50, 71.319, 287.628
Yxy	18.4187, 0.1788, 0.1510
Android (android.graphics.Color)	4280447724 (0xFF2272EC)
YUV	103.9880, 65.0819, -61.3795
Hunter-Lab	42.9170, 15.5824, -82.8702

Details

The CIELCh color **50, 71.319, 287.628** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **71, 72.109, 72.955**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 50.461, 280.223**, and **32, 69.922, 294.052** is the 20% darker color. If you saturate the color by 10%, you get **46, 80.355, 291.648**, and if you desaturate by 10%, it is **54, 62.489, 283.727**.

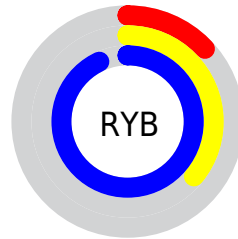
Distribution



Red (13%)

Green (45%)

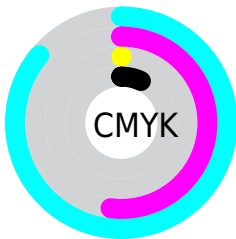
Blue (93%)



Red (13%)

Yellow (36%)

Blue (93%)

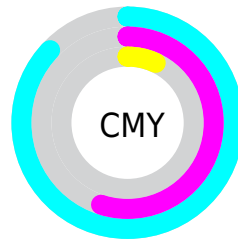


Cyan (86%)

Magenta (52%)

Yellow (0%)

Black (7%)



Cyan (87%)


Magenta (55%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 71.319, 287.628 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 50, 71.319, 287.628 by changing the saturation by 10% instead.


 50, 71.319,
287.628


 50, 71.319,
287.628


 100, 71.319,
287.628

 40, 71.319,
287.628


 70, 71.319,
287.628


 30, 71.319,
287.628

 80, 71.319,
287.628

 20, 71.319,
287.628

 90, 71.319,
287.628

 10, 71.319,
287.628

 0, 71.319, 287.628

 50, 71.319,
287.628

 50, 71.319,
287.628

■ 46, 80.355,
291.648

■ 54, 62.489,
283.727

■ 44, 84.357,
293.324

■ 59, 53.884,
280.124

■ 64, 45.454,
276.918

■ 69, 37.141,
274.132

■ 75, 28.905,
271.747

■ 80, 20.725,
269.718

■ 85, 12.596,
267.999

■ 90, 4.521, 266.571

■ 96, 3.489, 85.143

Harmonies

Complementary

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



50, 71.319, 287.628



71, 72.109, 72.955

Rectangle

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



50, 71.319, 287.628



50, 71.319, 337.628



50, 71.319, 107.628



50, 71.319, 157.628

Sweetspot

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



50, 71.319, 287.629



85, 22.400, 269.810



83, 69.469, 157.621



43, 15.201, 270.483



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 71.319, 287.629



48, 89.864, 293.497



34, 116.117, 305.673



46, 4.550, 267.081



34, 67.934, 292.624



7, 24.569, 285.300

Inverse Universe

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



52, 76.078, 6.013



54, 85.080, 13.200



89, 88.011, 108.690



46, 5.578, 350.465



38, 65.615, 11.957



7, 27.946, 3.136

Previews

White Background



This preview shows how the CIE LCh color 50, 71.319, 287.628 looks on a white background.

Color Contrast Check

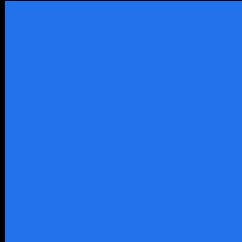
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 71.319, 287.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

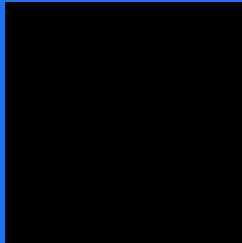
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

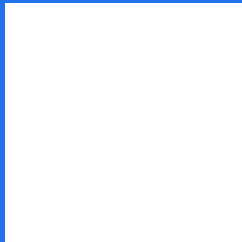
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 71.319, 287.628

Background



This preview shows how black text looks on a background with the CIELCh color 50, 71.319, 287.628.



This preview shows how white text looks on a background with the CIELCh color 50, 71.319, 287.628.

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

50, 71.319, 287.628

Protanopia

50, 71.294, 287.750

Deuteranopia

50, 53.815, 275.969



Tritanopia
50, 29.576, 207.020

Trichromacy



Original Color
50, 71.319, 287.628

Protanomaly
50, 71.306, 287.688

Deuteranomaly
50, 60.053, 280.926

Tritanomaly
49, 35.779, 253.870

Monochromacy



Original Color
50, 71.319, 287.628

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 27.304, 274.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 71.319, 287.628 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(34, 114, 236)` looks like.

```
.text, #text, p{  
    color:rgb(34, 114, 236)  
}
```

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(34, 114, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 114, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 71.319, 287.628 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(34, 114, 236) }
```

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

```
.border{ border-color:rgb(34, 114, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 114, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 114, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 114, 236);  
box-shadow:4px 4px 4px 4px rgb(34, 114,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 71.319, 287.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 114, 236) }
```

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

```
.background{ background-color: rgb(34, 114,  
236) }
```

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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