

Converting Colors

CIELCh(43, 72.079, 292.530)

Have a look what the booklet for
CIELCh(43, 72.079, 292.530)
contains.

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Color

CIELCh(43, 71.625, 292.343)

Conversions

Conversions Part 1

Format	Color
Hex	2D5DD5
RGB	45, 93, 213
RGB Percent	18%, 36%, 84%
CMY	0.8244, 0.6358, 0.1653
CMYK	0.79, 0.56, 0.00, 0.17
HSL	223°, 67%, 51%
HSV	223°, 79%, 83%
XYZ	16.9685, 13.1578, 64.5030
YIQ	92.3280, -67.1280, 27.1440

Conversions

Conversions Part 2

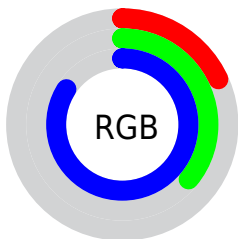
Format	Color
R_{YB}	45, 82, 213
Decimal	2973141
CIE Lab	43.00, 27.23, -66.25
CIE LCh	43, 71.625, 292.343
Yxy	13.1578, 0.1793, 0.1390
Android (android.graphics.Color)	4281163221 (0xFF2D5DD5)
YUV	92.3280, 59.4913, -41.5067
Hunter-Lab	36.2736, 20.0217, -80.0399

Details

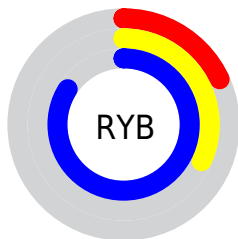
The CIELCh color **43, 71.625, 292.343** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **70, 64.557, 83.959**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 62.680, 290.536**, and **25, 70.128, 297.628** is the 20% darker color. If you saturate the color by 10%, you get **39, 81.691, 295.760**, and if you desaturate by 10%, it is **48, 61.686, 289.050**.

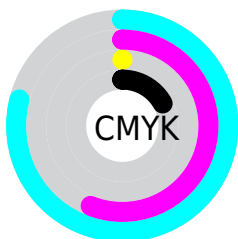
Distribution



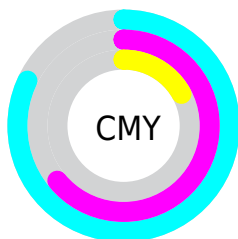
- Red (18%)
- Green (36%)
- Blue (84%)



- Red (18%)
- Yellow (32%)
- Blue (84%)



- Cyan (79%)
- Magenta (56%)
- Yellow (0%)
- Black (17%)




- Cyan (82%)
- Magenta (64%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 71.625, 292.343 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 43, 71.625, 292.343 by changing the saturation by 10% instead.


 43, 71.625,
292.343


 43, 71.625,
292.343


 100, 71.625,
292.343


 33, 71.625,
292.343

 63, 71.625,
292.343


 23, 71.625,
292.343

 73, 71.625,
292.343

 13, 71.625,
292.343

 83, 71.625,
292.343

 3, 71.625, 292.343

 93, 71.625,
292.343

 0, 71.625, 292.343

 43, 71.625,

 43, 71.625,

292.343

■ 39, 81.691,
295.760

■ 35, 91.521,
299.027

■ 34, 92.510,
299.331

292.343

■ 48, 61.686,
289.050

■ 53, 52.018,
286.028

■ 58, 42.639,
283.350

■ 64, 33.524,
281.025

■ 69, 24.639,
279.029

■ 75, 15.960,
277.324

■ 80, 7.468, 275.876

■ 86, 0.845, 94.329

Harmonies

Complementary

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



43, 71.625, 292.343



70, 64.557, 83.959

Rectangle

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



43, 71.625, 292.343



43, 71.625, 342.343



43, 71.625, 112.343



43, 71.625, 162.343

Sweetspot

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



43, 71.625, 292.344



85, 23.519, 278.191



76, 54.702, 165.939



43, 16.220, 278.825



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



43, 71.625, 292.344



43, 101.582, 298.104



35, 99.138, 306.225



42, 4.755, 275.937



27, 77.339, 298.827



4, 22.177, 286.232

Inverse Universe

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



48, 67.395, 12.417



54, 86.661, 20.776



80, 78.965, 113.805



42, 4.875, 357.760



36, 65.265, 21.985



5, 22.236, 6.927

Previews

White Background



This preview shows how the CIE LCh color 43, 71.625, 292.343 looks on a white background.

Color Contrast Check

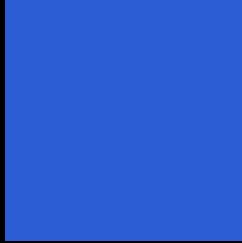
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 43, 71.625, 292.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

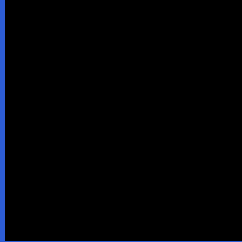
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 71.625, 292.343

Background



This preview shows how black text looks on a background with the CIELCh color 43, 71.625, 292.343.



This preview shows how white text looks on a background with the CIELCh color 43, 71.625, 292.343.

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

43, 71.625, 292.343

Protanopia

43, 65.636, 287.142

Deuteranopia

43, 46.876, 275.049



Tritanopia
43, 26.423, 207.271

Trichromacy



Original Color
43, 71.625, 292.343

Protanomaly
43, 67.274, 288.487

Deuteranomaly
42, 55.995, 283.007

Tritanomaly
42, 33.933, 259.944

Monochromacy



Original Color
43, 71.625, 292.343

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 27.189, 282.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 71.625, 292.343 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(45, 93, 213)` looks like.

```
.text, #text, p{  
    color:rgb(45, 93, 213)  
}
```

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(45, 93, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 93, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 71.625, 292.343 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(45, 93, 213) }
```

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

```
.border{ border-color:rgb(45, 93, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 93, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 93, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 93, 213);  
box-shadow:4px 4px 4px 4px rgb(45, 93,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 71.625, 292.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 93, 213) }
```

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

```
.background{ background-color: rgb(45, 93,  
213) }
```

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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