

Converting Colors

CIELCh(42, 73.686, 291.963)

Have a look what the booklet for
CIELCh(42, 73.686, 291.963)
contains.

CIELCh(42, 73.697, 291.909)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 73.697, 291.909)

Conversions

Conversions Part 1

Format	Color
Hex	1A5BD6
RGB	26, 91, 214
RGB Percent	10%, 36%, 84%
CMY	0.8972, 0.6441, 0.1620
CMYK	0.88, 0.58, 0.00, 0.16
HSL	219°, 78%, 47%
HSV	219°, 88%, 84%
XYZ	16.2484, 12.5000, 64.9679
YIQ	85.5870, -78.2230, 24.4730

Conversions

Conversions Part 2

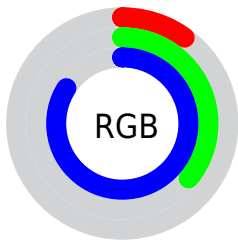
Format	Color
RYB	26, 74, 214
Decimal	1727446
CIELab	42.00, 27.50, -68.37
CIELCh	42, 73.697, 291.909
Yxy	12.5000, 0.1734, 0.1334
Android (android.graphics.Color)	4279917526 (0xFF1A5BD6)
YUV	85.5870, 63.3076, -52.2578
Hunter-Lab	35.3553, 20.1624, -84.2007

Details

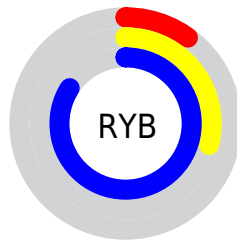
The CIELCh color **42, 73.697, 291.909** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed blue. A complement of this color would be **66, 68.186, 77.280**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 64.614, 290.088**, and **25, 71.368, 298.065** is the 20% darker color. If you saturate the color by 10%, you get **38, 82.908, 295.579**, and if you desaturate by 10%, it is **46, 64.561, 288.230**.

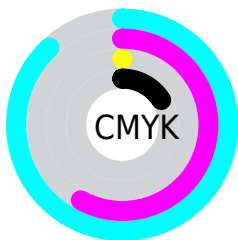
Distribution



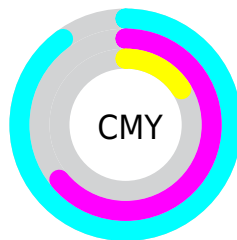
- Red (10%)
- Green (36%)
- Blue (84%)



- Red (10%)
- Yellow (29%)
- Blue (84%)



- Cyan (88%)
- Magenta (58%)
- Yellow (0%)
- Black (16%)




- Cyan (90%)
- Magenta (64%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 73.697, 291.909 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 42, 73.697, 291.909 by changing the saturation by 10% instead.


 42, 73.697,
291.909


 42, 73.697,
291.909


 100, 73.697,
291.909


 32, 73.697,
291.909

 62, 73.697,
291.909


 22, 73.697,
291.909

 72, 73.697,
291.909

 12, 73.697,
291.909

 82, 73.697,
291.909

 2, 73.697, 291.909

 92, 73.697,
291.909

 0, 73.697, 291.909

 42, 73.697,

 42, 73.697,

291.909

■ 38, 82.908,
295.579

■ 37, 84.990,
296.347

291.909

■ 46, 64.561,
288.230

■ 51, 55.644,
284.764

■ 56, 46.967,
281.633

■ 61, 38.496,
278.884

■ 66, 30.193,
276.511

■ 71, 22.028,
274.481

■ 76, 13.985,
272.752

■ 81, 6.058, 271.292

Harmonies

Complementary

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



42, 73.697, 291.909



66, 68.186, 77.280

Rectangle

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



42, 73.697, 291.909



42, 73.697, 341.909



42, 73.697, 111.909



42, 73.697, 161.909

Sweetspot

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



42, 73.697, 291.910



84, 23.813, 274.210



76, 61.666, 160.565



43, 16.183, 274.868



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 73.697, 291.910



44, 98.152, 296.720



30, 108.623, 306.313



42, 4.461, 271.520



30, 70.775, 295.765



5, 20.943, 283.734

Inverse Universe

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



47, 71.399, 11.314



54, 86.500, 18.245



81, 82.875, 111.411



42, 5.023, 353.798



36, 63.681, 16.671



5, 22.443, 3.889

Previews

White Background



This preview shows how the CIE LCh color 42, 73.697, 291.909 looks on a white background.

Color Contrast Check

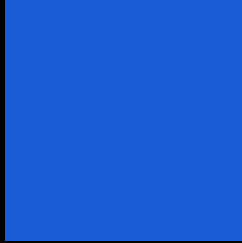
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 73.697, 291.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

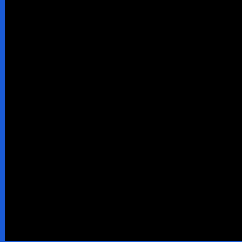
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 73.697, 291.909

Background



This preview shows how black text looks on a background with the CIELCh color 42, 73.697, 291.909.



This preview shows how white text looks on a background with the CIELCh color 42, 73.697, 291.909.

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

42, 73.707, 291.857

Protanopia

42, 64.112, 286.911

Deuteranopia

42, 45.337, 274.263



Tritanopia
42, 25.971, 206.113

Trichromacy



Original Color
42, 73.707, 291.857

Protanomaly
42, 68.100, 289.102

Deuteranomaly
42, 55.599, 282.931

Tritanomaly
41, 34.392, 261.248

Monochromacy



Original Color
42, 73.707, 291.857

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 28.325, 279.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 73.697, 291.909 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(26, 91, 214)` looks like.

```
.text, #text, p{  
    color:rgb(26, 91, 214)  
}
```

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(26, 91, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 91, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 73.697, 291.909 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(26, 91, 214) }
```

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

```
.border{ border-color:rgb(26, 91, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 91, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 91, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 91, 214);  
box-shadow:4px 4px 4px 4px rgb(26, 91,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 73.697, 291.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 91, 214) }
```

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

```
.background{ background-color: rgb(26, 91,  
214) }
```

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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