

Converting Colors

CIELCh(42, 89.865, 295.784)

Have a look what the booklet for
CIELCh(42, 89.865, 295.784)
contains.

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Color

CIELCh(42, 89.749, 295.701)

Conversions

Conversions Part 1

Format	Color
Hex	0255EC
RGB	2, 85, 236
RGB Percent	1%, 33%, 93%
CMY	0.9922, 0.6678, 0.0759
CMYK	0.99, 0.64, 0.00, 0.08
HSL	219°, 98%, 47%
HSV	219°, 99%, 92%
XYZ	18.3387, 12.5000, 80.5323
YIQ	77.3970, -97.9390, 29.3650

Conversions

Conversions Part 2

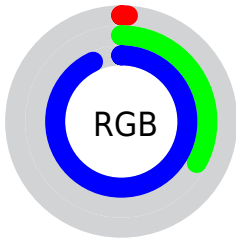
Format	Color
R _Y B	2, 63, 236
Decimal	153068
CIE Lab	42.00, 38.92, -80.87
CIE LCh	42, 89.749, 295.701
Yxy	12.5000, 0.1647, 0.1122
Android (android.graphics.Color)	4278343148 (0xFF0255EC)
YUV	77.3970, 78.1913, -66.1232
Hunter-Lab	35.3553, 30.7158, -110.3019

Details

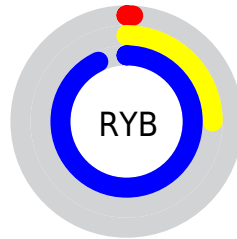
The CIELCh color **42, 89.749, 295.701** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **70, 77.477, 73.391**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 68.170, 292.382**, and **26, 86.626, 301.358** is the 20% darker color. If you saturate the color by 10%, you get **42, 90.571, 295.990**, and if you desaturate by 10%, it is **46, 79.945, 291.996**.

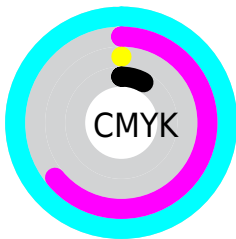
Distribution



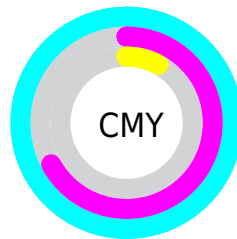
- Red (1%)
- Green (33%)
- Blue (93%)



- Red (1%)
- Yellow (25%)
- Blue (93%)



- Cyan (99%)
- Magenta (64%)
- Yellow (0%)
- Black (8%)





- Cyan (99%)
- Magenta (67%)
- Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 89.749, 295.701 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, 89.749, 295.701 by changing the saturation by 10% instead.


 42, 89.749,
295.701


 42, 89.749,
295.701


 100, 89.749,
295.701


 32, 89.749,
295.701

 62, 89.749,
295.701


 22, 89.749,
295.701

 72, 89.749,
295.701

 12, 89.749,
295.701

 82, 89.749,
295.701

 2, 89.749, 295.701

 92, 89.749,
295.701

 0, 89.749, 295.701

 42, 89.749,

 42, 89.749,

295.701

■ 42, 90.571,
295.990

295.701

■ 46, 79.945,
291.996

■ 51, 70.209,
288.227

■ 56, 60.701,
284.653

■ 61, 51.446,
281.411

■ 66, 42.407,
278.559

■ 72, 33.538,
276.096

■ 77, 24.807,
273.990

■ 83, 16.195,
272.197

Harmonies

Complementary

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



42, 89.749, 295.701



70, 77.477, 73.391

Rectangle

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



42, 89.749, 295.701



42, 89.749, 345.701



42, 89.749, 115.701



42, 89.749, 165.701

Sweetspot

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



42, 89.750, 295.703



82, 27.226, 274.179



83, 72.416, 156.758



41, 18.627, 275.044



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, 89.750, 295.703



45, 96.584, 296.152



30, 124.783, 306.682



46, 4.757, 270.723



32, 73.026, 295.345



7, 26.128, 287.913

Inverse Universe

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



50, 80.814, 16.589



54, 86.171, 17.300



88, 92.275, 111.006



46, 5.444, 353.157



38, 66.320, 16.000



7, 27.839, 6.023

Previews

White Background



This preview shows how the CIE LCh color 42, 89.749, 295.701 looks on a white background.

Color Contrast Check

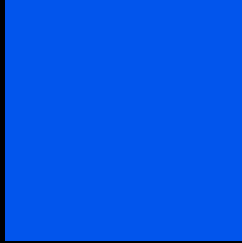
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.749, 295.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

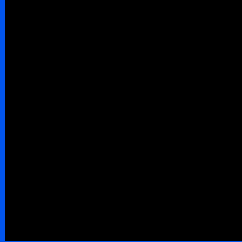
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 89.749, 295.701

Background



This preview shows how black text looks on a background with the CIELCh color 42, 89.749, 295.701.



This preview shows how white text looks on a background with the CIELCh color 42, 89.749, 295.701.

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, 89.759, 295.666

Protanopia

42, 64.112, 286.911

Deuteranopia

42, 44.817, 273.791



Tritanopia
42, 25.971, 206.113

Trichromacy



Original Color
42, 89.759, 295.666

Protanomaly
42, 73.877, 291.018

Deuteranomaly
41, 60.769, 285.520

Tritanomaly
41, 39.231, 268.203

Monochromacy



Original Color
42, 89.759, 295.666

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 34.874, 281.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 89.749, 295.701 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(2, 85, 236)` looks like.

```
.text, #text, p{  
    color:rgb(2, 85, 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(2, 85, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 85, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 89.749, 295.701 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(2, 85, 236) }
```

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

```
.border{ border-color:rgb(2, 85, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 85, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 85, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 85, 236);  
box-shadow:4px 4px 4px 4px rgb(2, 85, 236)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 89.749, 295.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 85, 236) }
```

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

```
.background{ background-color: rgb(2, 85,  
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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