

Converting Colors

CIELCh(35, 85.106, 275.285)

Have a look what the booklet for
CIELCh(35, 85.106, 275.285)
contains.

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Color

CIELCh(42, 78.945, 292.537)

Conversions

Conversions Part 1

Format	Color
Hex	005ADE
RGB	0, 90, 222
RGB Percent	0%, 35%, 87%
CMY	1.0000, 0.6483, 0.1309
CMYK	1.00, 0.60, 0.00, 0.13
HSL	216°, 100%, 43%
HSV	216°, 100%, 87%
XYZ	16.7380, 12.5000, 70.3682
YIQ	78.1380, -96.0120, 21.9720

Conversions

Conversions Part 2

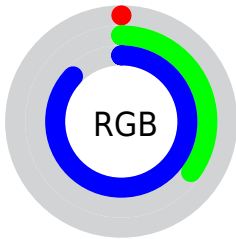
Format	Color
RYB	0, 64, 222
Decimal	23262
CIELab	42.00, 30.26, -72.92
CIELCh	42, 78.945, 292.537
Yxy	12.5000, 0.1680, 0.1255
Android (android.graphics.Color)	4278213342 (0xFF005ADE)
YUV	78.1380, 70.9240, -68.5270
Hunter-Lab	35.3553, 22.6338, -93.2570

Details

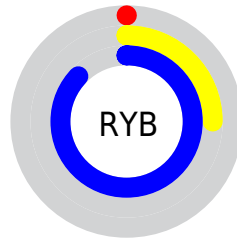
The CIELCh color **42, 78.945, 292.537** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **63, 74.597, 68.518**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 65.290, 289.729**, and **26, 76.519, 299.177** is the 20% darker color. If you saturate the color by 10%, you get **42, 78.935, 292.583**, and if you desaturate by 10%, it is **46, 70.437, 288.614**.

Distribution



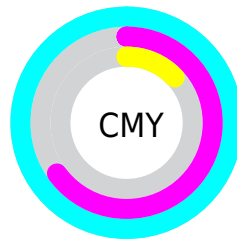
- Red (0%)
- Green (35%)
- Blue (87%)



- Red (0%)
- Yellow (25%)
- Blue (87%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (65%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 78.945, 292.537 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, 78.945, 292.537 by changing the saturation by 10% instead.


 42, 78.945,
292.537


 42, 78.945,
292.537


 100, 78.945,
292.537

 32, 78.945,
292.537

 62, 78.945,
292.537


 22, 78.945,
292.537

 72, 78.945,
292.537

 12, 78.945,
292.537

 82, 78.945,
292.537

 2, 78.945, 292.537

 92, 78.945,
292.537

 0, 78.945, 292.537

 42, 78.945,

 42, 78.945,

292.537

■ 42, 78.935,
292.583

292.537

■ 46, 70.437,
288.614

■ 50, 62.124,
284.611

■ 54, 54.024,
280.851

■ 59, 46.100,
277.465

■ 64, 38.293,
274.499

■ 68, 30.556,
271.948

■ 73, 22.862,
269.774

■ 78, 15.204,
267.930

Harmonies

Complementary

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



42, 78.945, 292.537



63, 74.597, 68.518

Rectangle

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



42, 78.945, 292.537



42, 78.945, 342.537



42, 78.945, 112.537



42, 78.945, 162.537

Sweetspot

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



42, 78.935, 292.583



83, 25.619, 269.821



78, 73.558, 153.449



42, 17.497, 270.706



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, 78.935, 292.583



48, 88.502, 292.910



28, 119.929, 306.506



43, 4.268, 266.294



33, 64.578, 291.889



6, 20.784, 281.488

Inverse Universe

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



47, 76.312, 11.900



54, 84.922, 12.359



84, 87.616, 108.022



43, 5.304, 349.929



37, 63.437, 10.948



6, 24.322, 0.909

Previews

White Background



This preview shows how the CIE LCh color 42, 78.945, 292.537 looks on a white background.

Color Contrast Check

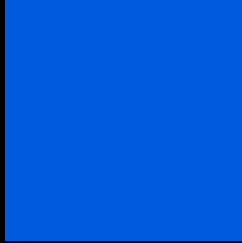
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.945, 292.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

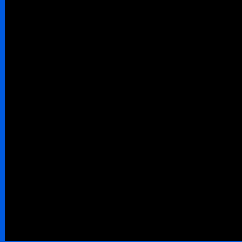
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 78.945, 292.537

Background



This preview shows how black text looks on a background with the CIELCh color 42, 78.945, 292.537.



This preview shows how white text looks on a background with the CIELCh color 42, 78.945, 292.537.

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, 78.945, 292.537

Protanopia

42, 64.668, 287.134

Deuteranopia

42, 45.337, 274.263



Tritanopia
42, 26.221, 204.620

Trichromacy



Original Color
42, 78.945, 292.537

Protanomaly
42, 69.827, 289.380

Deuteranomaly
42, 57.335, 283.402

Tritanomaly
41, 35.131, 260.906

Monochromacy



Original Color
42, 78.945, 292.537

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 30.806, 277.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 78.945, 292.537 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(0, 90, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 90, 222)  
}
```

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(0, 90, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 90, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 78.945, 292.537 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(0, 90, 222) }
```

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

```
.border{ border-color:rgb(0, 90, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 90, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 90, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 90, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 90, 222)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 78.945, 292.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 90, 222) }
```

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

```
.background{ background-color: rgb(0, 90,  
222) }
```

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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