

Converting Colors

CIELCh(42, 105.139, 299.058)

Have a look what the booklet for
CIELCh(42, 105.139, 299.058)
contains.

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Color

CIELCh(42, 104.716, 298.954)

Conversions

Conversions Part 1

Format	Color
Hex	014DFF
RGB	1, 77, 255
RGB Percent	0%, 30%, 100%
CMY	0.9967, 0.6986, 0.0007
CMYK	1.00, 0.70, 0.00, 0.00
HSL	222°, 100%, 50%
HSV	222°, 100%, 100%
XYZ	20.6729, 12.5000, 95.7730
YIQ	74.5680, -102.4340, 39.2460

Conversions

Conversions Part 2

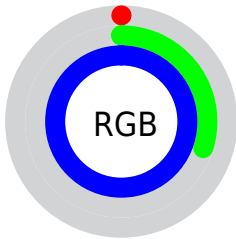
Format	Color
R _Y B	1, 59, 255
Decimal	85503
CIE Lab	42.00, 50.69, -91.63
CIE LCh	42, 104.716, 298.954
Yxy	12.5000, 0.1603, 0.0969
Android (android.graphics.Color)	4278275583 (0xFF014DFF)
YUV	74.5680, 88.9530, -64.5191
Hunter-Lab	35.3553, 42.5004, -135.8601

Details

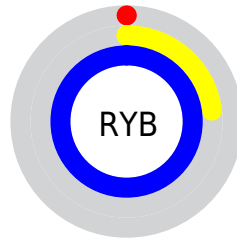
The CIELCh color **42, 104.716, 298.954** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **78, 82.654, 78.368**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 72.938, 295.910**, and **27, 99.935, 303.520** is the 20% darker color. If you saturate the color by 10%, you get **42, 105.071, 299.055**, and if you desaturate by 10%, it is **46, 93.570, 295.610**.

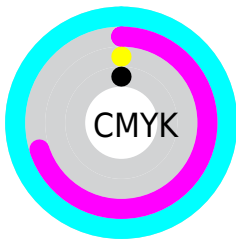
Distribution



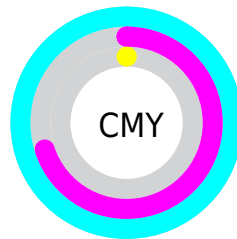
- Red (0%)
- Green (30%)
- Blue (100%)



- Red (0%)
- Yellow (23%)
- Blue (100%)



- Cyan (100%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (70%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 104.716, 298.954 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, 104.716, 298.954 by changing the saturation by 10% instead.


 42, 104.716,
298.954


 42, 104.716,
298.954


 100, 104.716,
298.954


 32, 104.716,
298.954


 62, 104.716,
298.954


 22, 104.716,
298.954


 72, 104.716,
298.954

 12, 104.716,
298.954


 82, 104.716,
298.954

 2, 104.716,
298.954

 92, 104.716,
298.954

 0, 104.716,
298.954

 42, 104.716,

 42, 104.716,

298.954

298.954

■ 42, 105.071,
299.055

■ 46, 93.570,
295.610

■ 51, 82.150,
292.093

■ 57, 70.871,
288.685

■ 63, 59.898,
285.552

■ 69, 49.247,
282.773

■ 75, 38.886,
280.361

■ 81, 28.776,
278.293

■ 88, 18.886,
276.529

Harmonies

Complementary

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



42, 104.716, 298.954



78, 82.654, 78.368

Rectangle

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



42, 104.716, 298.954



42, 104.716, 348.954



42, 104.716, 118.954



42, 104.716, 168.954

Sweetspot

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



42, 104.717, 298.955



81, 29.119, 278.356



89, 71.021, 161.458



41, 19.955, 279.193



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, 104.717, 298.955



42, 105.134, 299.056



34, 131.819, 307.127



50, 5.409, 275.010



31, 83.201, 298.471



8, 33.393, 293.589

Inverse Universe

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



54, 88.126, 22.235



54, 88.324, 22.416



94, 99.420, 114.896



50, 5.664, 356.862



40, 70.708, 21.325



10, 31.464, 12.798

Previews

White Background



This preview shows how the CIELCh color 42, 104.716, 298.954 looks on a white background.

Color Contrast Check

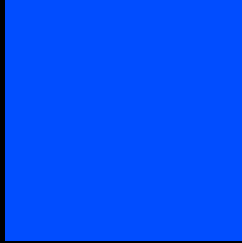
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 42, 104.716, 298.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

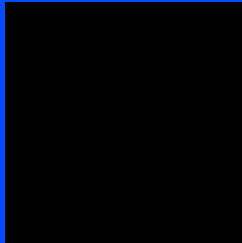
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 104.716, 298.954

Background



This preview shows how black text looks on a background with the CIELCh color 42, 104.716, 298.954.



This preview shows how white text looks on a background with the CIELCh color 42, 104.716,

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, 104.723, 298.941

Protanopia

42, 63.556, 286.684

Deuteranopia

42, 43.785, 272.815



Tritanopia
41, 26.048, 204.689

Trichromacy



Original Color
42, 104.723, 298.941

Protanomaly
41, 79.129, 292.893

Deuteranomaly
41, 66.004, 288.210

Tritanomaly
40, 43.811, 274.022

Monochromacy



Original Color
42, 104.723, 298.941

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 41.062, 286.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 104.716, 298.954 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(1, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 77, 255)  
}
```

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(1, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 77, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 104.716, 298.954 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(1, 77, 255) }
```

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

```
.border{ border-color:rgb(1, 77, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 77, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 77, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 104.716, 298.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 77, 255) }
```

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

```
.background{ background-color: rgb(1, 77,  
255) }
```

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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