

Converting Colors

CIELCh(42, 104.215, 299.018)

Have a look what the booklet for
CIELCh(42, 104.215, 299.018)
contains.

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Color

CIELCh(42, 104.153, 298.994)

Conversions

Conversions Part 1

Format	Color
Hex	094DFE
RGB	9, 77, 254
RGB Percent	4%, 30%, 100%
CMY	0.9639, 0.6984, 0.0044
CMYK	0.96, 0.70, 0.00, 0.00
HSL	223°, 99%, 52%
HSV	223°, 96%, 100%
XYZ	20.6299, 12.5000, 94.9837
YIQ	76.8460, -97.3450, 40.6310

Conversions

Conversions Part 2

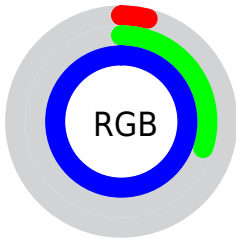
Format	Color
R _Y B	9, 62, 254
Decimal	609790
CIE Lab	42.00, 50.48, -91.10
CIE LCh	42, 104.153, 298.994
Yxy	12.5000, 0.1610, 0.0976
Android (android.graphics.Color)	4278799870 (0xFF094DFE)
YUV	76.8460, 87.3369, -59.5009
Hunter-Lab	35.3553, 42.2830, -134.5365




Details

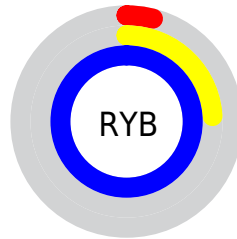
The CIELCh color **42, 104.153, 298.994** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark saturated blue. A complement of this color would be **80, 82.148, 81.258**, and the grayscale version is **32, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 72.926, 296.085**, and **27, 99.451, 303.489** is the 20% darker color. If you saturate the color by 10%, you get **41, 108.141, 300.083**, and if you desaturate by 10%, it is **47, 92.639, 295.685**.

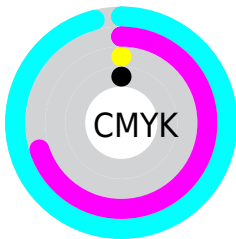
Distribution







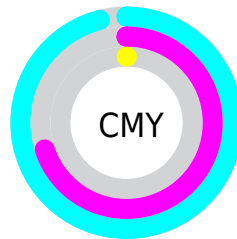
-  Red (4%)
-  Green (30%)
-  Blue (100%)






-  Red (4%)
-  Yellow (24%)
-  Blue (100%)



-  Cyan (96%)
-  Magenta (70%)
-  Yellow (0%)
-  Black (0%)





-  Cyan (96%)
-  Magenta (70%)
-  Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 104.153, 298.994 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, 104.153, 298.994 by changing the saturation by 10% instead.


 42, 104.153,
298.994


 42, 104.153,
298.994


 100, 104.153,
298.994


 32, 104.153,
298.994


 62, 104.153,
298.994


 22, 104.153,
298.994


 72, 104.153,
298.994


 12, 104.153,
298.994


 82, 104.153,
298.994

 2, 104.153,
298.994

 92, 104.153,
298.994

 0, 104.153,
298.994

 42, 104.153,

 42, 104.153,

298.994

■ 41, 108.141,
300.083

298.994

■ 47, 92.639,
295.685

■ 52, 80.864,
292.286

■ 58, 69.261,
289.033

■ 64, 57.989,
286.070

■ 70, 47.064,
283.458

■ 76, 36.454,
281.199

■ 83, 26.121,
279.265

■ 89, 16.036,
277.617

Harmonies

Complementary

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



42, 104.153, 298.994



80, 82.148, 81.258

Rectangle

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



42, 104.153, 298.994



42, 104.153, 348.994



42, 104.153, 118.994



42, 104.153, 168.994

Sweetspot

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



42, 104.154, 298.995



81, 28.910, 279.745



89, 68.308, 163.531



41, 19.938, 280.566



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, 104.154, 298.995



41, 108.530, 300.090



35, 129.534, 307.276



50, 5.547, 276.633



30, 85.931, 299.537



7, 34.465, 294.730

Inverse Universe

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



54, 87.380, 22.388



54, 89.432, 24.427



93, 98.805, 115.528



50, 5.603, 358.452



40, 71.534, 23.337



10, 31.564, 14.324

Previews

White Background



This preview shows how the CIELCh color 42, 104.153, 298.994 looks on a white background.

Color Contrast Check

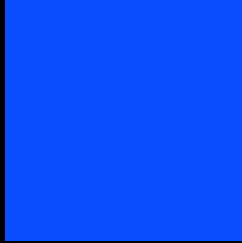
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.153, 298.994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

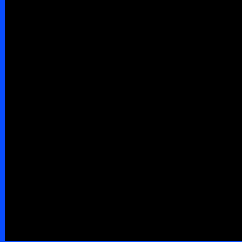
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 104.153, 298.994

Background



This preview shows how black text looks on a background with the CIELCh color 42, 104.153, 298.994.



This preview shows how white text looks on a background with the CIELCh color 42, 104.153, 298.994.

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, 104.159, 298.981

Protanopia

42, 63.000, 286.452

Deuteranopia

42, 43.785, 272.815



Tritanopia
41, 26.048, 204.689

Trichromacy



Original Color
42, 104.159, 298.981

Protanomaly
41, 78.562, 292.823

Deuteranomaly
41, 65.427, 288.097

Tritanomaly
40, 43.245, 273.714

Monochromacy



Original Color
42, 104.159, 298.981

Achromatopsia
33, 0.005, 296.813

Achromatomaly
34, 40.228, 287.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 104.153, 298.994 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(9, 77, 254)` looks like.

```
.text, #text, p{  
    color:rgb(9, 77, 254)  
}
```

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(9, 77, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 77, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 104.153, 298.994 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(9, 77, 254) }
```

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

```
.border{ border-color:rgb(9, 77, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 77, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 77, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 77, 254);  
box-shadow:4px 4px 4px 4px rgb(9, 77, 254)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 104.153, 298.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 77, 254) }
```

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

```
.background{ background-color: rgb(9, 77,  
254) }
```

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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