

Converting Colors

CIELCh(42, 96.541, 297.883)

Have a look what the booklet for
CIELCh(42, 96.541, 297.883)
contains.

CIELCh(42, 97.001, 297.985)	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, 97.001, 297.985)

Conversions

Conversions Part 1

Format	Color
Hex	1950F4
RGB	25, 80, 244
RGB Percent	10%, 31%, 96%
CMY	0.9035, 0.6858, 0.0425
CMYK	0.90, 0.67, 0.00, 0.04
HSL	225°, 91%, 53%
HSV	225°, 90%, 96%
XYZ	19.6234, 12.5000, 87.0996
YIQ	82.2510, -85.4240, 39.3440

Conversions

Conversions Part 2

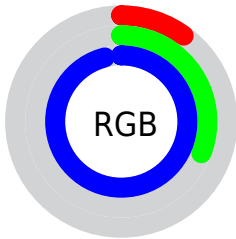
Format	Color
RYB	25, 69, 244
Decimal	1659124
CIELab	42.00, 45.52, -85.66
CIELCh	42, 97.001, 297.985
Yxy	12.5000, 0.1646, 0.1048
Android (android.graphics.Color)	4279849204 (0xFF1950F4)
YUV	82.2510, 79.7423, -50.2091
Hunter-Lab	35.3553, 37.2018, -121.3151

Details

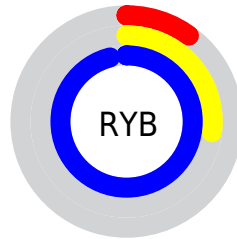
The CIELCh color **42, 97.001, 297.985** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **79, 78.653, 84.723**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 71.079, 295.395**, and **26, 93.009, 302.659** is the 20% darker color. If you saturate the color by 10%, you get **38, 108.034, 300.991**, and if you desaturate by 10%, it is **47, 85.285, 294.720**.

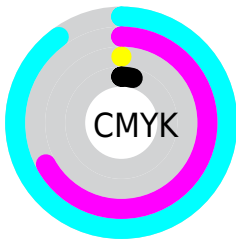
Distribution



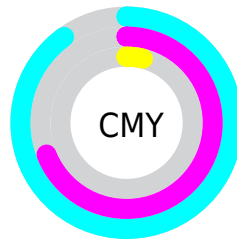
- Red (10%)
- Green (31%)
- Blue (96%)



- Red (10%)
- Yellow (27%)
- Blue (96%)



- Cyan (90%)
- Magenta (67%)
- Yellow (0%)
- Black (4%)





- Cyan (90%)
- Magenta (69%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 97.001, 297.985 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, 97.001, 297.985 by changing the saturation by 10% instead.


 42, 97.001,
297.985


 42, 97.001,
297.985


 100, 97.001,
297.985


 32, 97.001,
297.985

 62, 97.001,
297.985


 22, 97.001,
297.985

 72, 97.001,
297.985

 12, 97.001,
297.985

 82, 97.001,
297.985

 2, 97.001, 297.985

 92, 97.001,
297.985

 0, 97.001, 297.985

 42, 97.001,

 42, 97.001,

297.985

■ 38, 108.034,
300.991

■ 38, 108.115,
301.012

297.985

■ 47, 85.285,
294.720

■ 53, 73.526,
291.494

■ 58, 62.038,
288.495

■ 65, 50.911,
285.816

■ 71, 40.137,
283.482

■ 77, 29.681,
281.476

■ 84, 19.512,
279.763

■ 90, 9.603, 278.308

Harmonies

Complementary

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



42, 97.001, 297.985



79, 78.653, 84.723

Rectangle

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



42, 97.001, 297.985



42, 97.001, 347.985



42, 97.001, 117.985



42, 97.001, 167.985

Sweetspot

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



42, 97.002, 297.986



82, 27.640, 280.958



86, 62.943, 166.324



41, 18.707, 281.581



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, 97.002, 297.986



39, 111.974, 301.080



35, 121.324, 307.424



48, 5.509, 278.250



28, 86.790, 300.504



6, 32.589, 294.323

Inverse Universe

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



52, 82.473, 20.756



54, 90.717, 26.459



90, 94.339, 115.879



48, 5.360, 0.156



39, 70.998, 25.263



9, 29.807, 14.020

Previews

White Background



This preview shows how the CIE LCh color 42, 97.001, 297.985 looks on a white background.

Color Contrast Check

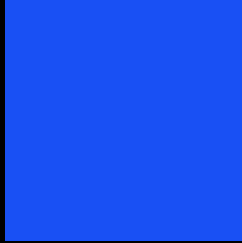
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.001, 297.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

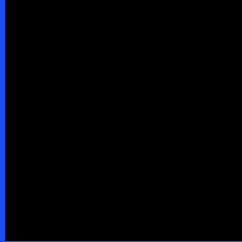
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 97.001, 297.985

Background



This preview shows how black text looks on a background with the CIELCh color 42, 97.001, 297.985.



This preview shows how white text looks on a background with the CIELCh color 42, 97.001, 297.985.

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





Tritanopia
41, 26.048, 204.689

Trichromacy



Original Color
42, 96.991, 298.014

Protanomaly
42, 75.586, 291.877

Deuteranomaly
41, 63.080, 287.205

Tritanomaly
41, 40.576, 270.829

Monochromacy



Original Color
42, 96.991, 298.014

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 37.406, 287.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 97.001, 297.985 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(25, 80, 244)` looks like.

```
.text, #text, p{  
    color:rgb(25, 80, 244)  
}
```

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(25, 80, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 80, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 97.001, 297.985 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(25, 80, 244) }
```

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

```
.border{ border-color:rgb(25, 80, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 80, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 80, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 80, 244);  
box-shadow:4px 4px 4px 4px rgb(25, 80,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 97.001, 297.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 80, 244) }
```

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

```
.background{ background-color: rgb(25, 80,  
244) }
```

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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