

Converting Colors

CIELCh(42, 103.228, 299.149)

Have a look what the booklet for
CIELCh(42, 103.228, 299.149)
contains.

CIELCh(42, 103.012, 299.108)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(42, 103.012, 299.108)

Conversions

Conversions Part 1

Format	Color
Hex	174DFC
RGB	23, 77, 252
RGB Percent	9%, 30%, 99%
CMY	0.9109, 0.6983, 0.0121
CMYK	0.91, 0.69, 0.00, 0.01
HSL	226°, 97%, 54%
HSV	226°, 91%, 99%
XYZ	20.5529, 12.5000, 93.3566
YIQ	80.8040, -88.3590, 42.9770

Conversions

Conversions Part 2

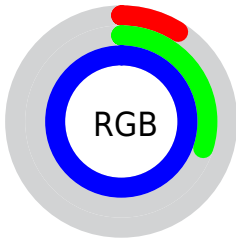
Format	Color
R _Y B	23, 67, 252
Decimal	1527292
CIE Lab	42.00, 50.11, -90.00
CIE LCh	42, 103.012, 299.108
Yxy	12.5000, 0.1626, 0.0989
Android (android.graphics.Color)	4279717372 (0xFF174DFC)
YUV	80.8040, 84.3996, -50.6941
Hunter-Lab	35.3553, 41.8946, -131.8078

Details

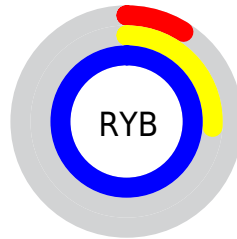
The CIELCh color **42, 103.012, 299.108** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **82, 81.472, 85.903**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 72.901, 296.437**, and **27, 98.479, 303.425** is the 20% darker color. If you saturate the color by 10%, you get **38, 113.134, 301.686**, and if you desaturate by 10%, it is **47, 90.856, 295.943**.

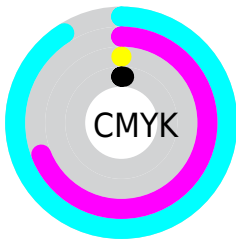
Distribution



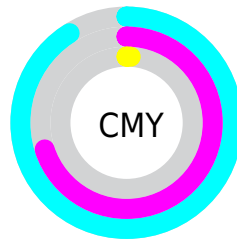
- Red (9%)
- Green (30%)
- Blue (99%)



- Red (9%)
- Yellow (26%)
- Blue (99%)



- Cyan (91%)
- Magenta (69%)
- Yellow (0%)
- Black (1%)





- Cyan (91%)
- Magenta (70%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 103.012, 299.108 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, 103.012, 299.108 by changing the saturation by 10% instead.


 42, 103.012,
299.108


 42, 103.012,
299.108


 100, 103.012,
299.108


 32, 103.012,
299.108


 62, 103.012,
299.108


 22, 103.012,
299.108


 72, 103.012,
299.108

 12, 103.012,
299.108


 82, 103.012,
299.108

 2, 103.012,
299.108

 92, 103.012,
299.108

 0, 103.012,
299.108

 42, 103.012,

 42, 103.012,

299.108

299.108

■ 38, 113.134,
301.686

■ 47, 90.856,
295.943

■ 53, 78.493,
292.761

■ 59, 66.356,
289.771

■ 65, 54.595,
287.083

■ 72, 43.222,
284.734

■ 78, 32.208,
282.713

■ 85, 21.516,
280.986

■ 92, 11.118,
279.517

Harmonies

Complementary

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



42, 103.012, 299.108



82, 81.472, 85.903

Rectangle

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



42, 103.012, 299.108



42, 103.012, 349.108



42, 103.012, 119.108



42, 103.012, 169.108

Sweetspot

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



42, 103.013, 299.109



82, 28.191, 281.995



89, 63.565, 167.507



41, 19.086, 282.611



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, 103.013, 299.109



39, 114.248, 301.704



37, 124.868, 307.661



49, 5.707, 279.319



28, 89.586, 301.183



6, 34.723, 295.721

Inverse Universe

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



54, 85.783, 22.782



54, 91.660, 27.802



92, 97.452, 116.801



49, 5.414, 1.354



40, 72.458, 26.678



9, 30.819, 15.888

Previews

White Background



This preview shows how the CIELCh color 42, 103.012, 299.108 looks on a white background.

Color Contrast Check

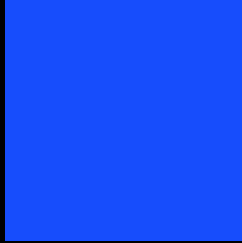
Large Text (above 18pt) WCAG AA ✓ Pass

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, 103.012, 299.108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

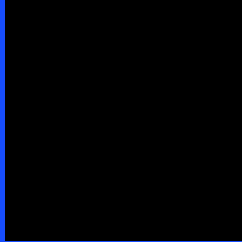
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 103.012, 299.108

Background



This preview shows how black text looks on a background with the CIELCh color 42, 103.012, 299.108.



This preview shows how white text looks on a background with the CIELCh color 42, 103.012, 299.108.

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, 103.012, 299.108

Protanopia

42, 63.000, 286.452

Deuteranopia

42, 43.785, 272.815



Tritanopia
41, 26.048, 204.689

Trichromacy



Original Color
42, 103.012, 299.108

Protanomaly
41, 77.984, 292.801

Deuteranomaly
41, 65.396, 288.257

Tritanomaly
40, 43.172, 274.024

Monochromacy



Original Color
42, 103.012, 299.108

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 39.267, 288.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 103.012, 299.108 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(23, 77, 252)` looks like.

```
.text, #text, p{  
    color:rgb(23, 77, 252)  
}
```

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(23, 77, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 77, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 103.012, 299.108 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(23, 77, 252) }
```

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

```
.border{ border-color:rgb(23, 77, 252) }
```

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

Here you see how a box with a 4 pixel rgb(23, 77, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 77, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 77, 252);  
box-shadow:4px 4px 4px 4px rgb(23, 77,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 103.012, 299.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 77, 252) }
```

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

```
.background{ background-color: rgb(23, 77,  
252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor