

Converting Colors

CIELCh(41, 100.536, 299.076)

Have a look what the booklet for
CIELCh(41, 100.536, 299.076)
contains.

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Color

CIELCh(41, 100.565, 299.109)

Conversions

Conversions Part 1

Format	Color
Hex	1A4BF5
RGB	26, 75, 245
RGB Percent	10%, 29%, 96%
CMY	0.8998, 0.7054, 0.0386
CMYK	0.90, 0.69, 0.00, 0.04
HSL	226°, 92%, 53%
HSV	226°, 90%, 96%
XYZ	19.4437, 11.8645, 87.7774
YIQ	79.7290, -83.7740, 42.4820

Conversions

Conversions Part 2

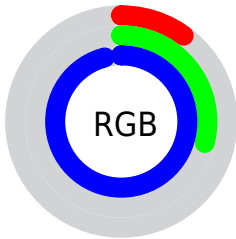
Format	Color
R_{YB}	26, 66, 245
Decimal	1723381
CIE _{Lab}	41.00, 48.92, -87.86
CIE _{LCh}	41, 100.565, 299.109
Yxy	11.8645, 0.1633, 0.0996
Android (android.graphics.Color)	4279913461 (0xFF1A4BF5)
YUV	79.7290, 81.4786, -47.1203
Hunter-Lab	34.4449, 40.4822, -126.9797

Details

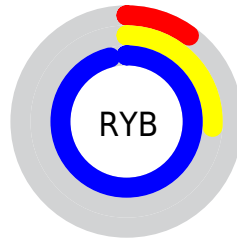
The CIELCh color **41, 100.565, 299.109** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **81, 79.683, 87.071**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 74.127, 296.989**, and **25, 96.019, 303.487** is the 20% darker color. If you saturate the color by 10%, you get **37, 111.662, 301.931**, and if you desaturate by 10%, it is **46, 88.483, 295.988**.

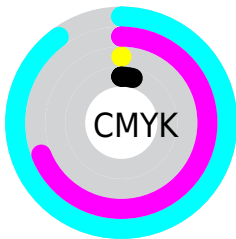
Distribution



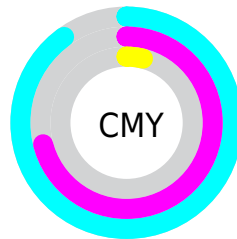
- Red (10%)
- Green (29%)
- Blue (96%)



- Red (10%)
- Yellow (26%)
- Blue (96%)



- Cyan (90%)
- Magenta (69%)
- Yellow (0%)
- Black (4%)





- Cyan (90%)
- Magenta (71%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 100.565, 299.109 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 41, 100.565, 299.109 by changing the saturation by 10% instead.


 41, 100.565,
299.109


 41, 100.565,
299.109


 100, 100.565,
299.109


 31, 100.565,
299.109


 61, 100.565,
299.109


 21, 100.565,
299.109


 71, 100.565,
299.109


 11, 100.565,
299.109


 81, 100.565,
299.109

 1, 100.565,
299.109

 91, 100.565,
299.109

 0, 100.565,
299.109

 41, 100.565,

 41, 100.565,

299.109

■ 37, 111.662,
301.931

■ 37, 112.095,
302.035

299.109

■ 46, 88.483,
295.988

■ 52, 76.221,
292.871

■ 58, 64.199,
289.955

■ 64, 52.557,
287.343

■ 71, 41.305,
285.065

■ 77, 30.415,
283.106

■ 84, 19.851,
281.434

■ 90, 9.585, 280.012

Harmonies

Complementary

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



41, 100.565, 299.109



81, 79.683, 87.071

Rectangle

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



41, 100.565, 299.109



41, 100.565, 349.109



41, 100.565, 119.109



41, 100.565, 169.109

Sweetspot

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



41, 100.566, 299.110



82, 28.560, 282.659



87, 60.590, 169.290



41, 19.339, 283.270



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41, 100.566, 299.110



38, 115.703, 302.092



36, 120.866, 307.870



48, 5.680, 280.000



27, 89.770, 301.561



5, 33.518, 295.209

Inverse Universe

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



53, 83.570, 22.855



54, 92.307, 28.662



90, 95.277, 117.508



48, 5.300, 2.150



39, 72.178, 27.490



9, 29.901, 15.463

Previews

White Background



This preview shows how the CIELCh color 41, 100.565, 299.109 looks on a white background.

Color Contrast Check

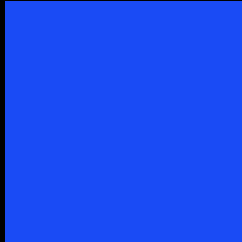
Large Text (above 18pt) WCAG AA ✓ Pass

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 41, 100.565, 299.109 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 41, 100.565, 299.109

Background



This preview shows how black text looks on a background with the CIELCh color 41, 100.565, 299.109.



This preview shows how white text looks on a background with the CIELCh color 41, 100.565,

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


41, 100.552, 299.137

Protanopia

41, 62.650, 286.892

Deuteranopia

40, 43.283, 273.222



Tritanopia
40, 25.526, 204.902

Trichromacy



Original Color
41, 100.552, 299.137

Protanomaly
40, 76.501, 292.770

Deuteranomaly
40, 63.858, 288.098

Tritanomaly
39, 41.598, 273.206

Monochromacy



Original Color
41, 100.552, 299.137

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 38.758, 288.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 100.565, 299.109 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(26, 75, 245)` looks like.

```
.text, #text, p{  
    color:rgb(26, 75, 245)  
}
```

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(26, 75, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 75, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 100.565, 299.109 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(26, 75, 245) }
```

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

```
.border{ border-color:rgb(26, 75, 245) }
```

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

Here you see how a box with a 4 pixel rgb(26, 75, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 75, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 75, 245);  
box-shadow:4px 4px 4px 4px rgb(26, 75,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 100.565, 299.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 75, 245) }
```

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

```
.background{ background-color: rgb(26, 75,  
245) }
```

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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