

Converting Colors

CIELCh(41, 85.646, 295.599)

Have a look what the booklet for
CIELCh(41, 85.646, 295.599)
contains.

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Color

CIELCh(41, 85.499, 295.591)

Conversions

Conversions Part 1

Format	Color
Hex	1553E2
RGB	21, 83, 226
RGB Percent	8%, 33%, 89%
CMY	0.9158, 0.6741, 0.1132
CMYK	0.91, 0.63, 0.00, 0.11
HSL	222°, 83%, 49%
HSV	222°, 91%, 89%
XYZ	17.1648, 11.8645, 73.4287
YIQ	80.7640, -82.8550, 31.3290

Conversions

Conversions Part 2

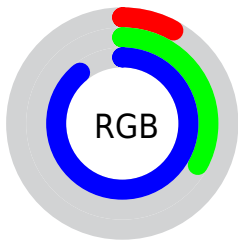
Format	Color
RYB	21, 69, 226
Decimal	1397730
CIELab	41.00, 36.93, -77.11
CIElCh	41, 85.499, 295.591
Yxy	11.8645, 0.1675, 0.1158
Android (android.graphics.Color)	4279587810 (0xFF1553E2)
YUV	80.7640, 71.6013, -52.4130
Hunter-Lab	34.4449, 28.6726, -102.2812

Details

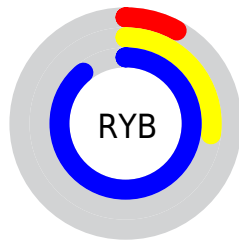
The CIELCh color **41, 85.499, 295.591** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **72, 73.133, 80.466**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 69.359, 293.216**, and **25, 81.911, 300.940** is the 20% darker color. If you saturate the color by 10%, you get **37, 95.107, 298.744**, and if you desaturate by 10%, it is **46, 75.163, 292.089**.

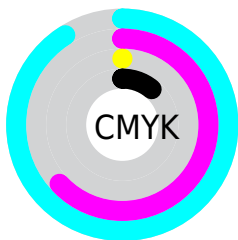
Distribution



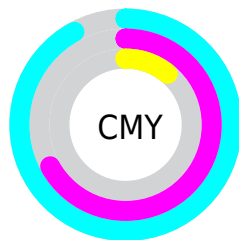
- Red (8%)
- Green (33%)
- Blue (89%)



- Red (8%)
- Yellow (27%)
- Blue (89%)



- Cyan (91%)
- Magenta (63%)
- Yellow (0%)
- Black (11%)





- Cyan (92%)
- Magenta (67%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 85.499, 295.591 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, 85.499, 295.591 by changing the saturation by 10% instead.


 41, 85.499,
295.591


 41, 85.499,
295.591


 100, 85.499,
295.591


 31, 85.499,
295.591

 61, 85.499,
295.591


 21, 85.499,
295.591

 71, 85.499,
295.591


 11, 85.499,
295.591


 81, 85.499,
295.591

 1, 85.499, 295.591

 91, 85.499,
295.591

 0, 85.499, 295.591

 41, 85.499,

 41, 85.499,

295.591

■ 37, 95.107,
298.744

295.591

■ 46, 75.163,
292.089

■ 51, 64.950,
288.690

■ 56, 55.011,
285.560

■ 61, 45.361,
282.778

■ 67, 35.971,
280.360

■ 73, 26.806,
278.284

■ 78, 17.839,
276.511

■ 84, 9.053, 275.004

Harmonies

Complementary

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



41, 85.499, 295.591



72, 73.133, 80.466

Rectangle

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



41, 85.499, 295.591



41, 85.499, 345.591



41, 85.499, 115.591



41, 85.499, 165.591

Sweetspot

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



41, 85.500, 295.592



83, 26.069, 277.663



80, 63.083, 162.315



42, 17.627, 278.306



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, 85.500, 295.592



42, 104.857, 298.969



32, 115.381, 306.843



44, 4.860, 274.859



29, 77.517, 298.175



5, 24.927, 287.969

Inverse Universe

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



49, 76.533, 16.664



54, 88.241, 22.252



85, 88.138, 113.302



44, 5.103, 356.723



37, 66.270, 20.787



6, 25.361, 7.637

Previews

White Background



This preview shows how the CIE LCh color 41, 85.499, 295.591 looks on a white background.

Color Contrast Check

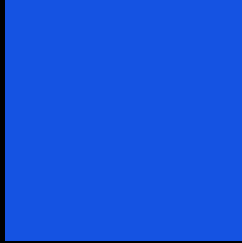
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 41, 85.499, 295.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

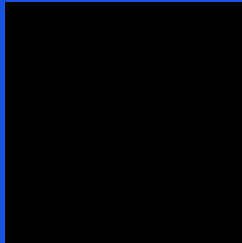
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 85.499, 295.591

Background



This preview shows how black text looks on a background with the CIELCh color 41, 85.499, 295.591.



This preview shows how white text looks on a background with the CIELCh color 41, 85.499, 295.591.

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, 85.499, 295.591

Protanopia

41, 63.209, 287.122

Deuteranopia

41, 43.278, 272.917



Tritanopia
41, 25.700, 204.830

Trichromacy



Original Color
41, 85.499, 295.591

Protanomaly
41, 71.229, 290.764

Deuteranomaly
40, 58.615, 285.230

Tritanomaly
40, 37.096, 266.824

Monochromacy



Original Color
41, 85.499, 295.591

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 32.694, 283.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 85.499, 295.591 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(21, 83, 226)` looks like.

```
.text, #text, p{  
    color:rgb(21, 83, 226)  
}
```

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(21, 83, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 83, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 85.499, 295.591 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(21, 83, 226) }
```

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

```
.border{ border-color:rgb(21, 83, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 83, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 83, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 83, 226);  
box-shadow:4px 4px 4px 4px rgb(21, 83,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 85.499, 295.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 83, 226) }
```

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

```
.background{ background-color: rgb(21, 83,  
226) }
```

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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