

Converting Colors

CIELCh(41, 85.862, 295.693)

Have a look what the booklet for
CIELCh(41, 85.862, 295.693)
contains.

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Color

CIELCh(41, 86.034, 295.727)

Conversions

Conversions Part 1

Format	Color
Hex	1553E3
RGB	21, 83, 227
RGB Percent	8%, 33%, 89%
CMY	0.9159, 0.6751, 0.1105
CMYK	0.91, 0.63, 0.00, 0.11
HSL	222°, 83%, 49%
HSV	222°, 91%, 89%
XYZ	17.2406, 11.8645, 73.9247
YIQ	80.8780, -83.1760, 31.6400

Conversions

Conversions Part 2

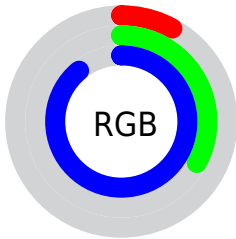
Format	Color
R _Y B	21, 69, 227
Decimal	1397731
CIE Lab	41.00, 37.35, -77.51
CIE LCh	41, 86.034, 295.727
Yxy	11.8645, 0.1673, 0.1152
Android (android.graphics.Color)	4279587811 (0xFF1553E3)
YUV	80.8780, 72.0381, -52.5130
Hunter-Lab	34.4449, 29.0652, -103.1351

Details

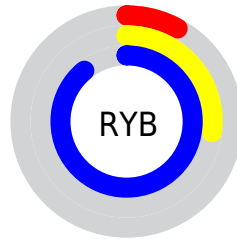
The CIELCh color **41, 86.034, 295.727** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **72, 73.365, 80.640**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 69.359, 293.216**, and **25, 82.447, 301.007** is the 20% darker color. If you saturate the color by 10%, you get **37, 95.636, 298.852**, and if you desaturate by 10%, it is **46, 75.640, 292.235**.

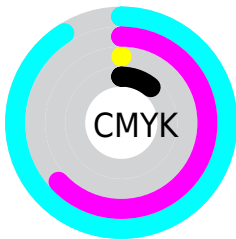
Distribution



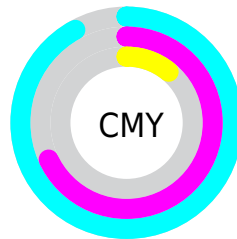
- Red (8%)
- Green (33%)
- Blue (89%)



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



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




- Cyan (92%)
- Magenta (68%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 86.034, 295.727 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, 86.034, 295.727 by changing the saturation by 10% instead.

 41, 86.034,
295.727


 41, 86.034,
295.727


 100, 86.034,
295.727


 31, 86.034,
295.727

 61, 86.034,
295.727


 21, 86.034,
295.727

 71, 86.034,
295.727


 11, 86.034,
295.727


 81, 86.034,
295.727

 1, 86.034, 295.727

 91, 86.034,
295.727

 0, 86.034, 295.727

 41, 86.034,

 41, 86.034,

295.727

■ 37, 95.636,
298.852

295.727

■ 46, 75.640,
292.235

■ 51, 65.362,
288.842

■ 56, 55.358,
285.715

■ 61, 45.648,
282.936

■ 67, 36.201,
280.519

■ 73, 26.983,
278.443

■ 78, 17.967,
276.671

■ 84, 9.136, 275.165

Harmonies

Complementary

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



41, 86.034, 295.727



72, 73.365, 80.640

Rectangle

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



41, 86.034, 295.727



41, 86.034, 345.727



41, 86.034, 115.727



41, 86.034, 165.727

Sweetspot

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



41, 86.035, 295.728



83, 26.135, 277.814



81, 62.020, 163.576



42, 17.673, 278.456



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, 86.035, 295.728



42, 105.177, 299.069



32, 115.452, 307.029



44, 4.871, 275.013



28, 77.758, 298.280



5, 24.981, 288.054

Inverse Universe

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



49, 76.787, 16.882



54, 88.337, 22.442



85, 88.662, 114.182



44, 5.098, 356.868



37, 66.336, 20.976



6, 25.357, 7.750

Previews

White Background



This preview shows how the CIE LCh color 41, 86.034, 295.727 looks on a white background.

Color Contrast Check

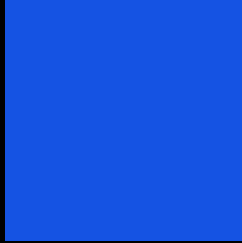
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.034, 295.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

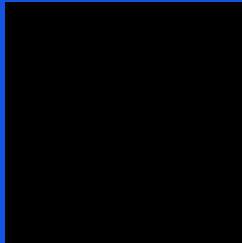
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 86.034, 295.727

Background



This preview shows how black text looks on a background with the CIELCh color 41, 86.034, 295.727.



This preview shows how white text looks on a background with the CIELCh color 41, 86.034, 295.727.

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, 86.043, 295.694

Protanopia

41, 63.209, 287.122

Deuteranopia

41, 43.278, 272.917



Tritanopia
41, 25.700, 204.830

Trichromacy



Original Color
41, 86.043, 295.694

Protanomaly
41, 71.229, 290.764

Deuteranomaly
40, 58.615, 285.230

Tritanomaly
40, 37.096, 266.824

Monochromacy



Original Color
41, 86.043, 295.694

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, 86.034, 295.727 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, 227)` looks like.

```
.text, #text, p{  
  color:rgb(21, 83, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 83, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 86.034, 295.727 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, 227) }
```

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

```
.border{ border-color:rgb(21, 83, 227) }
```

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, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 83, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 83, 227);  
box-shadow:4px 4px 4px 4px rgb(21, 83,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 86.034, 295.727 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, 227) }
```

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

```
.background{ background-color: rgb(21, 83,  
227) }
```

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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