

Converting Colors

CIELCh(41, 85.329, 296.242)

Have a look what the booklet for
CIELCh(41, 85.329, 296.242)
contains.

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Color

CIELCh(41, 85.448, 296.304)

Conversions

Conversions Part 1

Format	Color
Hex	2352E1
RGB	35, 82, 225
RGB Percent	14%, 32%, 88%
CMY	0.8644, 0.6776, 0.1167
CMYK	0.85, 0.64, 0.00, 0.12
HSL	225°, 76%, 51%
HSV	225°, 85%, 88%
XYZ	17.3356, 11.8645, 72.7884
YIQ	84.2490, -73.9150, 34.5090

Conversions

Conversions Part 2

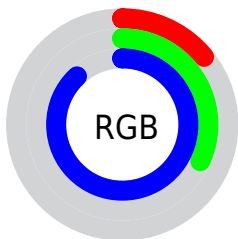
Format	Color
RYP	35, 73, 225
Decimal	2314977
CIELab	41.00, 37.86, -76.60
CIElCh	41, 85.448, 296.304
Yxy	11.8645, 0.1700, 0.1163
Android (android.graphics.Color)	4280505057 (0xFF2352E1)
YUV	84.2490, 69.3902, -43.1914
Hunter-Lab	34.4449, 29.5575, -101.1791

Details

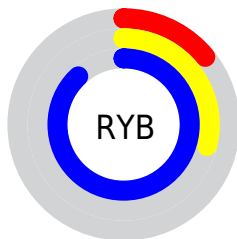
The CIELCh color **41, 85.448, 296.304** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **75, 71.804, 85.974**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 69.888, 294.427**, and **24, 82.573, 301.328** is the 20% darker color. If you saturate the color by 10%, you get **37, 96.261, 299.476**, and if you desaturate by 10%, it is **46, 74.350, 293.063**.

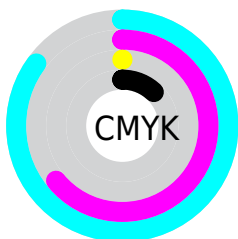
Distribution



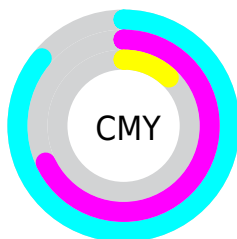
- Red (14%)
- Green (32%)
- Blue (88%)



- Red (14%)
- Yellow (29%)
- Blue (88%)



- Cyan (85%)
- Magenta (64%)
- Yellow (0%)
- Black (12%)




- Cyan (86%)
- Magenta (68%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 85.448, 296.304 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, 85.448, 296.304 by changing the saturation by 10% instead.


 41, 85.448,
296.304


 41, 85.448,
296.304


 100, 85.448,
296.304


 31, 85.448,
296.304

 61, 85.448,
296.304


 21, 85.448,
296.304

 71, 85.448,
296.304


 11, 85.448,
296.304


 81, 85.448,
296.304

 1, 85.448, 296.304

 91, 85.448,
296.304

 0, 85.448, 296.304

 41, 85.448,

 41, 85.448,

296.304

296.304

■ 37, 96.261,
299.476

■ 46, 74.350,
293.063

■ 35, 101.700,
301.002

■ 51, 63.403,
289.971

■ 57, 52.773,
287.163

■ 63, 42.484,
284.691

■ 69, 32.513,
282.554

■ 75, 22.825,
280.725

■ 81, 13.395,
279.164

■ 87, 4.202, 277.855

Harmonies

Complementary

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



41, 85.448, 296.304



75, 71.804, 85.974

Rectangle

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



41, 85.448, 296.304



41, 85.448, 346.304



41, 85.448, 116.304



41, 85.448, 166.304

Sweetspot

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



41, 85.449, 296.305



83, 25.624, 280.814



80, 56.278, 168.841



42, 17.562, 281.434



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, 85.449, 296.305



39, 112.422, 301.205



35, 109.112, 307.450



44, 5.147, 278.449



27, 83.250, 300.510



4, 26.200, 289.827

Inverse Universe

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



49, 74.550, 18.148



54, 90.896, 26.724



84, 86.640, 116.393



44, 4.982, 0.378



37, 68.095, 25.275



6, 25.297, 10.249

Previews

White Background



This preview shows how the CIE LCh color 41, 85.448, 296.304 looks on a white background.

Color Contrast Check

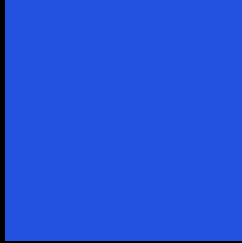
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.448, 296.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

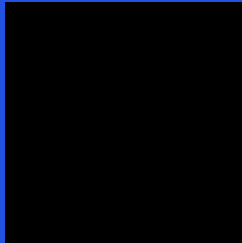
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 85.448, 296.304

Background



This preview shows how black text looks on a background with the CIELCh color 41, 85.448, 296.304.



This preview shows how white text looks on a background with the CIELCh color 41, 85.448, 296.304.

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, 85.435, 296.356

Protanopia

41, 62.650, 286.892

Deuteranopia

41, 43.278, 272.917



Tritanopia
41, 25.700, 204.830

Trichromacy



Original Color
41, 85.435, 296.356

Protanomaly
40, 71.285, 291.111

Deuteranomaly
40, 58.018, 285.174

Tritanomaly
40, 36.988, 267.222

Monochromacy



Original Color
41, 85.435, 296.356

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 32.401, 285.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 85.448, 296.304 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(35, 82, 225)` looks like.

```
.text, #text, p{  
    color:rgb(35, 82, 225)  
}
```

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(35, 82, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 82, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 85.448, 296.304 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(35, 82, 225) }
```

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

```
.border{ border-color:rgb(35, 82, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 82, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 82, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 82, 225);  
box-shadow:4px 4px 4px 4px rgb(35, 82,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 85.448, 296.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 82, 225) }
```

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

```
.background{ background-color: rgb(35, 82,  
225) }
```

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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