

Converting Colors

CIELCh(40, 41.196, 278.275)

Have a look what the booklet for
CIELCh(40, 41.196, 278.275)
contains.

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Color

CIELCh(40, 41.196, 278.275)

Conversions

Conversions Part 1

Format	Color
Hex	2B5FA1
RGB	43, 95, 161
RGB Percent	17%, 37%, 63%
CMY	0.8318, 0.6278, 0.3690
CMYK	0.73, 0.41, 0.00, 0.37
HSL	214°, 58%, 40%
HSV	214°, 73%, 63%
XYZ	11.5013, 11.2510, 35.2420
YIQ	86.9760, -52.1780, 9.5020

Conversions

Conversions Part 2

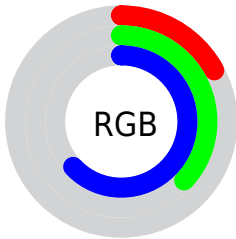
Format	Color
R_{YB}	43, 79, 161
Decimal	2842529
CIE _{Lab}	40.00, 5.93, -40.77
CIE _{LCh}	40, 41.196, 278.275
Yxy	11.2510, 0.1983, 0.1940
Android (android.graphics.Color)	4281032609 (0xFF2B5FA1)
YUV	86.9760, 36.4938, -38.5670
Hunter-Lab	33.5425, 2.5059, -38.8143

Details

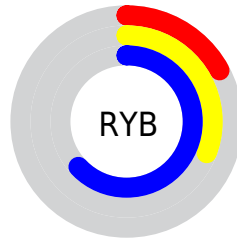
The CIELCh color **40, 41.196, 278.275** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 46.013, 71.619**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 41.062, 278.262**, and **22, 39.870, 285.601** is the 20% darker color. If you saturate the color by 10%, you get **37, 46.925, 282.131**, and if you desaturate by 10%, it is **43, 35.561, 274.799**.

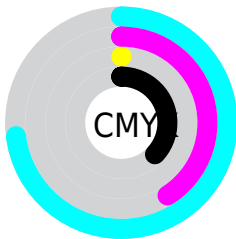
Distribution



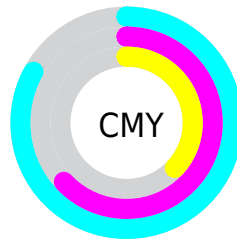
- Red (17%)
- Green (37%)
- Blue (63%)



- Red (17%)
- Yellow (31%)
- Blue (63%)



- Cyan (73%)
- Magenta (41%)
- Yellow (0%)
- Black (37%)





- Cyan (83%)
- Magenta (63%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 41.196, 278.275 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 40, 41.196, 278.275 by changing the saturation by 10% instead.


 40, 41.196,
278.275


 40, 41.196,
278.275


 100, 41.196,
278.275


 30, 41.196,
278.275

 60, 41.196,
278.275


 20, 41.196,
278.275

 70, 41.196,
278.275

 10, 41.196,
278.275

 80, 41.196,
278.275

 0, 41.196, 278.275

 90, 41.196,
278.275

 40, 41.196,

 40, 41.196,

278.275

■ 37, 46.925,
282.131

■ 34, 52.799,
286.239

■ 32, 56.817,
288.871

278.275

■ 43, 35.561,
274.799

■ 47, 29.969,
271.750

■ 50, 24.381,
269.123

■ 54, 18.779,
266.883

■ 58, 13.158,
264.982

■ 61, 7.525, 263.375

■ 65, 1.891, 262.098

■ 69, 3.733, 80.693

■ 72, 9.333, 79.711

Harmonies

Complementary

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



40, 41.196, 278.275



50, 46.013, 71.619

Rectangle

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



40, 41.196, 278.275



40, 41.196, 328.275



40, 41.196, 98.275



40, 41.196, 148.275

Sweetspot

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



40, 41.195, 278.276



74, 15.347, 264.820



59, 48.600, 157.504



37, 10.290, 265.261



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



40, 41.195, 278.276



46, 61.489, 284.705



27, 74.535, 302.940



33, 3.227, 262.801



29, 52.265, 288.481



2, 5.222, 265.481

Inverse Universe

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



38, 52.103, 357.512



46, 70.285, 2.825



64, 59.329, 106.383



32, 4.248, 347.712



30, 55.534, 6.676



1, 6.355, 349.450

Previews

White Background



This preview shows how the CIE LCh color 40, 41.196, 278.275 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 40, 41.196, 278.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

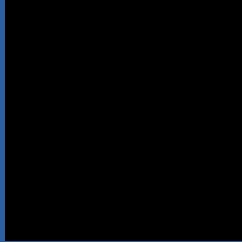
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 41.196, 278.275

Background



This preview shows how black text looks on a background with the CIELCh color 40, 41.196, 278.275.



This preview shows how white text looks on a background with the CIELCh color 40, 41.196, 278.275.

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


40, 41.196, 278.275

Protanopia

40, 40.397, 285.708

Deuteranopia

40, 41.196, 278.275



Tritanopia
40, 25.044, 208.030

Trichromacy



Original Color
40, 41.196, 278.275

Protanomaly
40, 40.654, 282.812

Deuteranomaly
40, 41.196, 278.275

Tritanomaly
40, 26.142, 240.779

Monochromacy



Original Color
40, 41.196, 278.275

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 15.994, 267.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 41.196, 278.275 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(43, 95, 161)` looks like.

```
.text, #text, p{  
    color:rgb(43, 95, 161)  
}
```

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(43, 95, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 95, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 41.196, 278.275 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(43, 95, 161) }
```

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

```
.border{ border-color:rgb(43, 95, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 95, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 95, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 95, 161);  
box-shadow:4px 4px 4px 4px rgb(43, 95,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 41.196, 278.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 95, 161) }
```

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

```
.background{ background-color: rgb(43, 95,  
161) }
```

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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