

Converting Colors

CIELCh(41, 45.617, 280.502)

Have a look what the booklet for
CIELCh(41, 45.617, 280.502)
contains.

CIELCh(41, 45.094, 279.963)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(41, 45.094, 279.963)

Conversions

Conversions Part 1

Format	Color
Hex	2961AA
RGB	41, 97, 170
RGB Percent	16%, 38%, 67%
CMY	0.8406, 0.6205, 0.3343
CMYK	0.76, 0.43, 0.00, 0.33
HSL	214°, 61%, 41%
HSV	214°, 76%, 67%
XYZ	12.3856, 11.8645, 39.5411
YIQ	88.5780, -56.8090, 10.8310

Conversions

Conversions Part 2

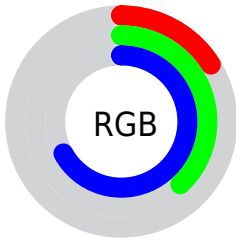
Format	Color
R_{YB}	41, 80, 170
Decimal	2711978
CIE _{Lab}	41.00, 7.80, -44.41
CIE _{LCh}	41, 45.094, 279.963
Yxy	11.8645, 0.1942, 0.1860
Android (android.graphics.Color)	4280902058 (0xFF2961AA)
YUV	88.5780, 40.1410, -41.7259
Hunter-Lab	34.4449, 3.9060, -43.9506




Details

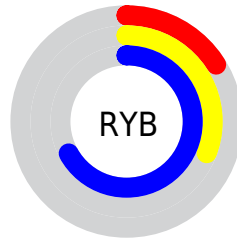
The CIELCh color **41, 45.094, 279.963** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **53, 49.845, 71.673**, and the grayscale version is **37, 0.005, 296.813**.




A 20% lighter version of the original color is **61, 45.282, 279.973**, and **23, 43.419, 287.208** is the 20% darker color. If you saturate the color by 10%, you get **38, 51.217, 283.907**, and if you desaturate by 10%, it is **44, 39.095, 276.367**.

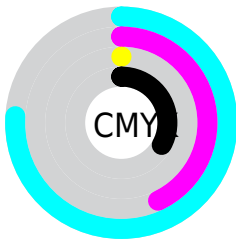
Distribution







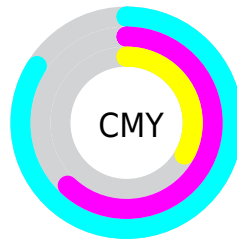
-  Red (16%)
-  Green (38%)
-  Blue (67%)






-  Red (16%)
-  Yellow (31%)
-  Blue (67%)



-  Cyan (76%)
-  Magenta (43%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (84%)
-  Magenta (62%)
-  Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 45.094, 279.963 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, 45.094, 279.963 by changing the saturation by 10% instead.

■ 41, 45.094,
279.963

■ 41, 45.094,
279.963

■ 100, 45.094,
279.963

■ 31, 45.094,
279.963

■ 61, 45.094,
279.963

■ 21, 45.094,
279.963

■ 71, 45.094,
279.963

■ 11, 45.094,
279.963

■ 81, 45.094,
279.963

■ 1, 45.094, 279.963

■ 91, 45.094,
279.963

■ 0, 45.094, 279.963

■ 41, 45.094,

■ 41, 45.094,

279.963

279.963

■ 38, 51.217,
283.907

■ 44, 39.095,
276.367

■ 35, 57.505,
288.025

■ 48, 33.166,
273.188

■ 33, 60.048,
289.550

■ 52, 27.262,
270.436

■ 56, 21.355,
268.083

■ 59, 15.437,
266.084

■ 63, 9.512, 264.392

■ 67, 3.587, 262.988

■ 71, 2.323, 81.545

■ 75, 8.208, 80.560

Harmonies

Complementary

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



41, 45.094, 279.963



53, 49.845, 71.673

Rectangle

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



41, 45.094, 279.963



41, 45.094, 329.963



41, 45.094, 99.963



41, 45.094, 149.963

Sweetspot

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



41, 45.094, 279.964



77, 16.944, 265.610



62, 52.078, 156.948



40, 11.822, 266.249



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



41, 45.094, 279.964



47, 67.586, 286.629



27, 80.718, 303.487



34, 3.329, 263.405



29, 53.627, 289.045



2, 6.438, 267.723

Inverse Universe

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



39, 55.537, 358.824



48, 74.322, 4.753



67, 63.429, 106.252



33, 4.341, 348.077



31, 56.249, 7.340



2, 7.525, 351.026

Previews

White Background



This preview shows how the CIE LCh color 41, 45.094, 279.963 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, 45.094, 279.963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

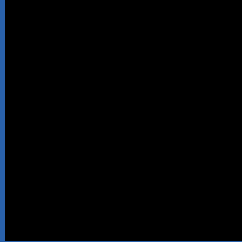
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 45.094, 279.963

Background



This preview shows how black text looks on a background with the CIELCh color 41, 45.094, 279.963.



This preview shows how white text looks on a background with the CIELCh color 41, 45.094, 279.963.

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, 45.094, 279.963

Protanopia

41, 44.441, 286.186

Deuteranopia

41, 44.792, 277.837



Tritanopia
41, 25.563, 207.733

Trichromacy



Original Color
41, 45.094, 279.963

Protanomaly
41, 44.661, 283.759

Deuteranomaly
41, 44.707, 278.272

Tritanomaly
40, 27.331, 243.683

Monochromacy



Original Color
41, 45.094, 279.963

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 17.718, 269.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 45.094, 279.963 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(41, 97, 170)` looks like.

```
.text, #text, p{  
    color:rgb(41, 97, 170)  
}
```

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(41, 97, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 97, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 45.094, 279.963 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(41, 97, 170) }
```

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

```
.border{ border-color:rgb(41, 97, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 97, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(41, 97, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(41, 97, 170); box-shadow:4px 4px 4px 4px rgb(41, 97, 170) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 45.094, 279.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 97, 170) }
```

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

```
.background{ background-color: rgb(41, 97,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor