

Converting Colors

CIELCh(39, 44.577, 262.538)

Have a look what the booklet for
CIELCh(39, 44.577, 262.538)
contains.

CIELCh(41, 41.740, 271.345)	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, 41.740, 271.345)

Conversions

Conversions Part 1

Format	Color
Hex	0464A5
RGB	4, 100, 165
RGB Percent	2%, 39%, 65%
CMY	0.9843, 0.6078, 0.3524
CMYK	0.98, 0.39, 0.00, 0.35
HSL	204°, 95%, 33%
HSV	204°, 98%, 65%
XYZ	11.4123, 11.8645, 37.3504
YIQ	78.7060, -78.0810, -0.1370

Conversions

Conversions Part 2

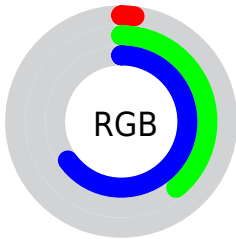
Format	Color
R_{YB}	4, 64, 165
Decimal	287909
CIE Lab	41.00, 0.98, -41.73
CIE LCh	41, 41.740, 271.345
Yxy	11.8645, 0.1882, 0.1957
Android (android.graphics.Color)	4278477989 (0xFF0464A5)
YUV	78.7060, 42.5429, -65.5172
Hunter-Lab	34.4449, -1.1378, -40.1797

Details

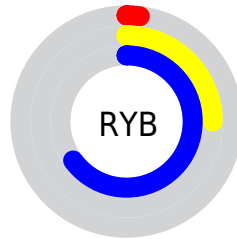
The CIELCh color **41, 41.740, 271.345** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **42, 62.900, 54.057**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 41.667, 271.280**, and **23, 39.601, 284.044** is the 20% darker color. If you saturate the color by 10%, you get **40, 42.630, 272.456**, and if you desaturate by 10%, it is **43, 38.207, 266.560**.

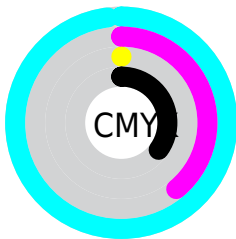
Distribution



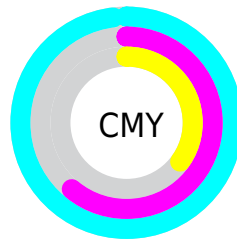
- Red (2%)
- Green (39%)
- Blue (65%)



- Red (2%)
- Yellow (25%)
- Blue (65%)



- Cyan (98%)
- Magenta (39%)
- Yellow (0%)
- Black (35%)





- Cyan (98%)
- Magenta (61%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 41.740, 271.345 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, 41.740, 271.345 by changing the saturation by 10% instead.


 41, 41.740,
271.345


 41, 41.740,
271.345


 100, 41.740,
271.345


 31, 41.740,
271.345

 61, 41.740,
271.345


 21, 41.740,
271.345

 71, 41.740,
271.345

 11, 41.740,
271.345

 81, 41.740,
271.345

 1, 41.740, 271.345

 91, 41.740,
271.345

 0, 41.740, 271.345

 41, 41.740,

 41, 41.740,

271.345

■ 40, 42.630,
272.456

271.345

■ 43, 38.207,
266.560

■ 46, 34.664,
262.140

■ 48, 30.977,
258.270

■ 51, 27.067,
254.976

■ 54, 22.900,
252.222

■ 56, 18.473,
249.944

■ 59, 13.809,
248.070

■ 62, 8.941, 246.537

Harmonies

Complementary

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



41, 41.740, 271.345



42, 62.900, 54.057

Rectangle

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



41, 41.740, 271.345



41, 41.740, 321.345



41, 41.740, 91.345



41, 41.740, 141.345

Sweetspot

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



41, 41.739, 271.346



75, 17.889, 248.409



59, 69.410, 145.328



38, 12.163, 249.151



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



41, 41.739, 271.346



52, 52.511, 273.453



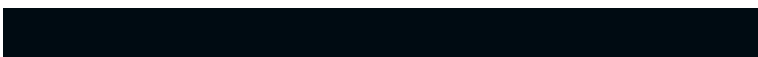
21, 90.184, 304.471



33, 2.884, 245.494



36, 38.491, 271.870



2, 4.667, 250.953

Inverse Universe

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



36, 62.865, 352.297



47, 76.349, 353.599



61, 64.788, 96.243



32, 4.717, 339.475



31, 57.576, 352.601



1, 6.994, 341.545

Previews

White Background



This preview shows how the CIELCh color 41, 41.740, 271.345 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, 41.740, 271.345 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, 41.740, 271.345

Background



This preview shows how black text looks on a background with the CIELCh color 41, 41.740, 271.345.



This preview shows how white text looks on a background with the CIELCh color 41, 41.740, 271.345.

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, 41.679, 271.286

Protanopia

41, 40.202, 286.205

Deuteranopia

41, 42.222, 278.234



Tritanopia
41, 25.563, 207.733

Trichromacy



Original Color
41, 41.679, 271.286

Protanomaly
41, 41.069, 278.563

Deuteranomaly
41, 42.185, 274.892

Tritanomaly
41, 27.241, 238.309

Monochromacy



Original Color
41, 41.679, 271.286

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 17.942, 252.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 41.740, 271.345 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(4, 100, 165)` looks like.

```
.text, #text, p{  
    color:rgb(4, 100, 165)  
}
```

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(4, 100, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 100, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 41.740, 271.345 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(4, 100, 165) }
```

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

```
.border{ border-color:rgb(4, 100, 165) }
```

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

Here you see how a box with a 4 pixel rgb(4, 100, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 100, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 100, 165);  
box-shadow:4px 4px 4px 4px rgb(4, 100,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 41.740, 271.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 100, 165) }
```

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

```
.background{ background-color: rgb(4, 100,  
165) }
```

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