

Converting Colors

CIELCh(40, 47.043, 268.736)

Have a look what the booklet for
CIELCh(40, 47.043, 268.736)
contains.

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Color

CIELCh(41, 45.361, 274.849)

Conversions

Conversions Part 1

Format	Color
Hex	0063AB
RGB	0, 99, 171
RGB Percent	0%, 39%, 67%
CMY	0.9998, 0.6118, 0.3294
CMYK	1.00, 0.42, 0.00, 0.33
HSL	205°, 100%, 34%
HSV	205°, 100%, 67%
XYZ	11.8131, 11.8645, 40.1971
YIQ	77.6070, -82.1160, 1.4040

Conversions

Conversions Part 2

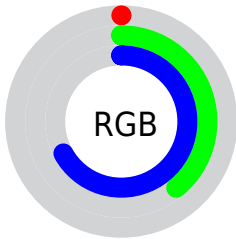
Format	Color
RYB	0, 63, 171
Decimal	25515
CIELab	41.00, 3.83, -45.20
CIELCh	41, 45.361, 274.849
Yxy	11.8645, 0.1849, 0.1857
Android (android.graphics.Color)	4278215595 (0xFF0063AB)
YUV	77.6070, 46.0427, -68.0613
Hunter-Lab	34.4449, 0.9393, -45.0797

Details

The CIELCh color **41, 45.361, 274.849** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **43, 65.470, 54.809**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 45.565, 275.021**, and **23, 43.341, 286.850** is the 20% darker color. If you saturate the color by 10%, you get **41, 45.370, 274.861**, and if you desaturate by 10%, it is **43, 41.397, 270.120**.

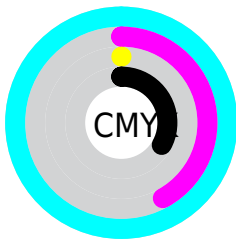
Distribution



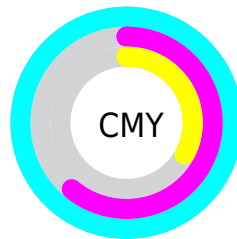
- Red (0%)
- Green (39%)
- Blue (67%)



- Red (0%)
- Yellow (25%)
- Blue (67%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (61%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 45.361, 274.849 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, 45.361, 274.849 by changing the saturation by 10% instead.

■ 41, 45.361,
274.849

■ 41, 45.361,
274.849

■ 100, 45.361,
274.849

■ 31, 45.361,
274.849

■ 61, 45.361,
274.849

■ 21, 45.361,
274.849

■ 71, 45.361,
274.849

■ 11, 45.361,
274.849

■ 81, 45.361,
274.849

■ 1, 45.361, 274.849

■ 91, 45.361,
274.849

■ 0, 45.361, 274.849

■ 41, 45.361,

■ 41, 45.361,

274.849

274.849

■ 41, 45.370,
274.861

■ 43, 41.397,
270.120

■ 46, 37.509,
265.578

■ 49, 33.536,
261.541

■ 51, 29.388,
258.063

■ 54, 25.014,
255.130

■ 57, 20.400,
252.688

■ 60, 15.560,
250.669

■ 64, 10.522,
249.006

Harmonies

Complementary

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



41, 45.361, 274.849



43, 65.470, 54.809

Rectangle

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



41, 45.361, 274.849



41, 45.361, 324.849



41, 45.361, 94.849



41, 45.361, 144.849

Sweetspot

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



41, 45.361, 274.851



77, 19.229, 250.771



61, 71.333, 145.474



39, 13.135, 251.560



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, 45.361, 274.851



53, 55.937, 275.810



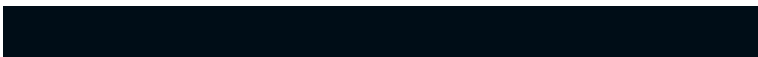
21, 95.202, 305.150



35, 3.057, 247.576



36, 40.932, 274.300



3, 6.929, 257.218

Inverse Universe

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



37, 64.268, 354.526



48, 77.826, 355.189



64, 67.703, 97.264



34, 4.901, 340.301



32, 58.593, 354.155



2, 9.596, 344.559

Previews

White Background



This preview shows how the CIE LCh color 41, 45.361, 274.849 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, 45.361, 274.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

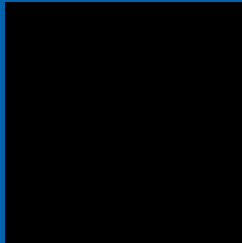
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 45.361, 274.849

Background



This preview shows how black text looks on a background with the CIELCh color 41, 45.361, 274.849.



This preview shows how white text looks on a background with the CIELCh color 41, 45.361, 274.849.

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, 45.361, 274.849

Protanopia

41, 43.834, 286.208

Deuteranopia

41, 45.439, 277.728



Tritanopia
41, 25.563, 207.733

Trichromacy



Original Color
41, 45.361, 274.849

Protanomaly
41, 44.564, 279.922

Deuteranomaly
41, 45.653, 276.712

Tritanomaly
41, 27.816, 240.720

Monochromacy



Original Color
41, 45.361, 274.849

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 19.428, 255.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 45.361, 274.849 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(0, 99, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 171)  
}
```

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(0, 99, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 45.361, 274.849 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(0, 99, 171) }
```

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

```
.border{ border-color:rgb(0, 99, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 99, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 171)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 45.361, 274.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 171) }
```

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

```
.background{ background-color: rgb(0, 99,  
171) }
```

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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