

Converting Colors

CIELCh(36, 58.349, 238.802)

Have a look what the booklet for
CIELCh(36, 58.349, 238.802)
contains.

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Color

CIELCh(41, 41.246, 270.168)

Conversions

Conversions Part 1

Format	Color
Hex	0064A4
RGB	0, 100, 164
RGB Percent	0%, 39%, 64%
CMY	1.0000, 0.6063, 0.3556
CMYK	1.00, 0.39, 0.00, 0.36
HSL	203°, 100%, 32%
HSV	203°, 100%, 64%
XYZ	11.2935, 11.8645, 36.9654
YIQ	77.3960, -80.1440, -1.2960

Conversions

Conversions Part 2

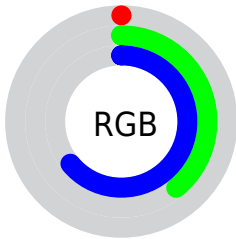
Format	Color
RYB	0, 62, 164
Decimal	25764
CIELab	41.00, 0.12, -41.25
CIELCh	41, 41.246, 270.168
Yxy	11.8645, 0.1878, 0.1973
Android (android.graphics.Color)	4278215844 (0xFF0064A4)
YUV	77.3960, 42.6958, -67.8763
Hunter-Lab	34.4449, -1.7534, -39.5170

Details

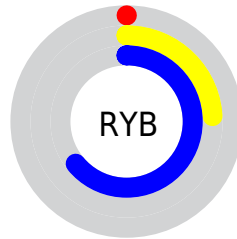
The CIELCh color **41, 41.246, 270.168** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **41, 64.613, 52.769**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 41.245, 270.576**, and **23, 38.992, 283.590** is the 20% darker color. If you saturate the color by 10%, you get **41, 41.206, 270.320**, and if you desaturate by 10%, it is **43, 37.895, 265.539**.

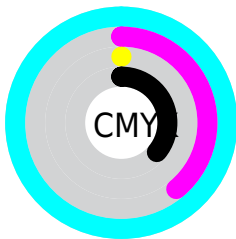
Distribution



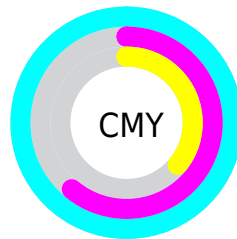
- Red (0%)
- Green (39%)
- Blue (64%)



- Red (0%)
- Yellow (24%)
- Blue (64%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (36%)





- Cyan (100%)
- Magenta (61%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 41.246, 270.168 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, 41.246, 270.168 by changing the saturation by 10% instead.


 41, 41.246,
270.168


 41, 41.246,
270.168


 100, 41.246,
270.168


 31, 41.246,
270.168

 61, 41.246,
270.168


 21, 41.246,
270.168

 71, 41.246,
270.168

 11, 41.246,
270.168

 81, 41.246,
270.168

 1, 41.246, 270.168

 91, 41.246,
270.168

 0, 41.246, 270.168

 41, 41.246,

 41, 41.246,

270.168

■ 41, 41.206,
270.320

270.168

■ 43, 37.895,
265.539

■ 45, 34.605,
260.997

■ 48, 31.164,
257.012

■ 50, 27.485,
253.617

■ 53, 23.524,
250.783

■ 56, 19.277,
248.445

■ 59, 14.765,
246.529

■ 62, 10.022,
244.966

Harmonies

Complementary

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



41, 41.246, 270.168



41, 64.613, 52.769

Rectangle

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



41, 41.246, 270.168



41, 41.246, 320.168



41, 41.246, 90.168



41, 41.246, 140.168

Sweetspot

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



41, 41.206, 270.320



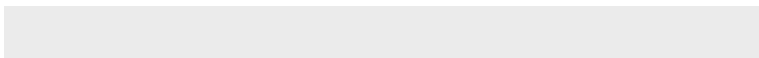
75, 18.301, 246.626



59, 71.213, 144.211



38, 12.364, 247.353



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, 41.206, 270.320



53, 50.921, 271.351



21, 90.277, 304.477



33, 2.866, 243.629



36, 37.370, 269.749



3, 4.629, 249.310

Inverse Universe

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



36, 63.313, 351.674



47, 76.864, 352.285



60, 64.365, 94.804



32, 4.767, 338.764



31, 57.976, 351.344



1, 7.065, 340.826

Previews

White Background



This preview shows how the CIELCh color 41, 41.246, 270.168 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, 41.246, 270.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

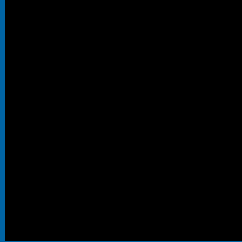
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 41.246, 270.168

Background



This preview shows how black text looks on a background with the CIELCh color 41, 41.246, 270.168.

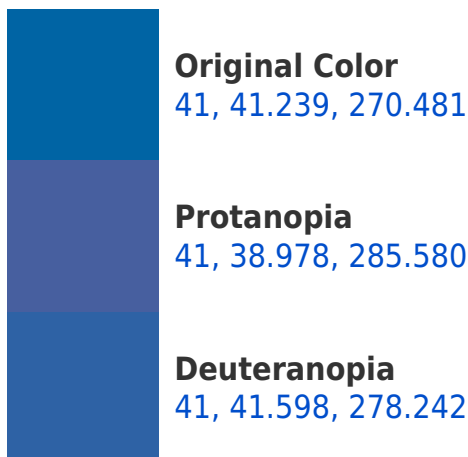



This preview shows how white text looks on a background with the CIELCh color 41, 41.246, 270.168.

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





Tritanopia
41, 25.563, 207.733

Trichromacy



Original Color
41, 41.239, 270.481

Protanomaly
41, 40.003, 277.105

Deuteranomaly
41, 41.655, 274.413

Tritanomaly
41, 27.166, 236.634

Monochromacy



Original Color
41, 41.239, 270.481

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 18.112, 251.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 41.246, 270.168 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, 100, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 164)  
}
```

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, 100, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 41.246, 270.168 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, 100, 164) }
```

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

```
.border{ border-color:rgb(0, 100, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 100, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 41.246, 270.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 164) }
```

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

```
.background{ background-color: rgb(0, 100,  
164) }
```

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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