

Converting Colors

CIELCh(41, 45.796, 259.618)

Have a look what the booklet for
CIELCh(41, 45.796, 259.618)
contains.

CIELCh(43, 42.277, 270.045)	3
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Color

CIELCh(43, 42.277, 270.045)

Conversions

Conversions Part 1

Format	Color
Hex	0269AB
RGB	2, 105, 171
RGB Percent	1%, 41%, 67%
CMY	0.9931, 0.5866, 0.3276
CMYK	0.99, 0.39, 0.00, 0.33
HSL	203°, 98%, 34%
HSV	203°, 99%, 67%
XYZ	12.5110, 13.1578, 40.6413
YIQ	81.7270, -82.5740, -1.3100

Conversions

Conversions Part 2

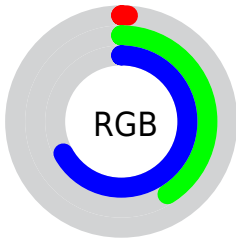
Format	Color
R_{YB}	2, 66, 171
Decimal	158123
CIE _{Lab}	43.00, 0.03, -42.28
CIE _{LCh}	43, 42.277, 270.045
Yxy	13.1578, 0.1887, 0.1984
Android (android.graphics.Color)	4278348203 (0xFF0269AB)
YUV	81.7270, 44.0116, -69.9206
Hunter-Lab	36.2736, -1.9133, -41.0375

Details

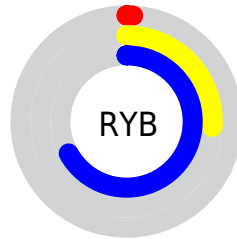
The CIELCh color **43, 42.277, 270.045** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **42, 66.115, 52.759**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 42.242, 270.172**, and **25, 39.314, 282.119** is the 20% darker color. If you saturate the color by 10%, you get **43, 42.638, 270.517**, and if you desaturate by 10%, it is **45, 38.867, 265.205**.

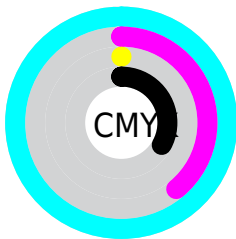
Distribution



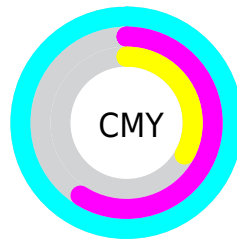
- Red (1%)
- Green (41%)
- Blue (67%)



- Red (1%)
- Yellow (26%)
- Blue (67%)



- Cyan (99%)
- Magenta (39%)
- Yellow (0%)
- Black (33%)





- Cyan (99%)
- Magenta (59%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 42.277, 270.045 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 43, 42.277, 270.045 by changing the saturation by 10% instead.


 43, 42.277,
270.045


 43, 42.277,
270.045


 100, 42.277,
270.045


 33, 42.277,
270.045

 63, 42.277,
270.045

 23, 42.277,
270.045

 73, 42.277,
270.045

 13, 42.277,
270.045

 83, 42.277,
270.045

 3, 42.277, 270.045

 93, 42.277,
270.045

 0, 42.277, 270.045

 43, 42.277,

 43, 42.277,

270.045

■ 43, 42.638,
270.517

270.045

■ 45, 38.867,
265.205

■ 48, 35.452,
260.687

■ 50, 31.872,
256.734

■ 53, 28.039,
253.376

■ 55, 23.912,
250.577

■ 58, 19.489,
248.271

■ 61, 14.794,
246.383

■ 64, 9.863, 244.844

Harmonies

Complementary

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



43, 42.277, 270.045



42, 66.115, 52.759

Rectangle

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



43, 42.277, 270.045



43, 42.277, 320.045



43, 42.277, 90.045



43, 42.277, 140.045

Sweetspot

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



43, 42.276, 270.046



77, 18.829, 246.650



61, 73.159, 144.328



40, 12.842, 247.400



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



43, 42.276, 270.046



55, 52.379, 271.482



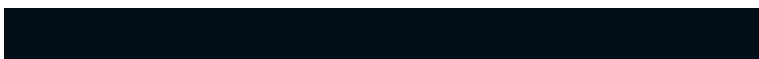
22, 92.692, 304.384



35, 3.013, 243.650



38, 38.417, 269.930



3, 6.771, 253.782

Inverse Universe

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



37, 65.201, 351.520



49, 78.885, 352.365



63, 66.203, 94.863



34, 5.013, 338.775



32, 59.420, 351.448



2, 9.811, 342.847

Previews

White Background



This preview shows how the CIELCh color 43, 42.277, 270.045 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 43, 42.277, 270.045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

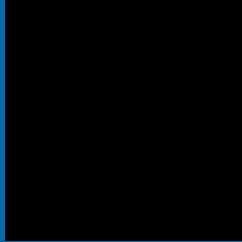
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 42.277, 270.045

Background



This preview shows how black text looks on a background with the CIELCh color 43, 42.277, 270.045.

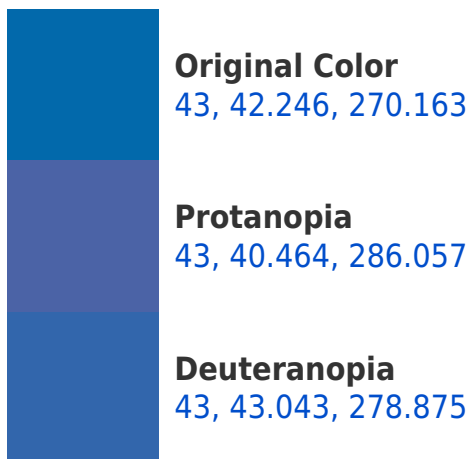


This preview shows how white text looks on a background with the CIELCh color 43, 42.277, 270.045.

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
43, 26.594, 207.182

Trichromacy



Original Color
43, 42.246, 270.163

Protanomaly
42, 41.493, 277.591

Deuteranomaly
43, 43.134, 274.924

Tritanomaly
43, 27.990, 236.491

Monochromacy



Original Color
43, 42.246, 270.163

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 18.802, 251.076

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 42.277, 270.045 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(2, 105, 171)` looks like.

```
.text, #text, p{  
    color:rgb(2, 105, 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(2, 105, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 105, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 42.277, 270.045 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(2, 105, 171) }
```

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

```
.border{ border-color:rgb(2, 105, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 105, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 105, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 105, 171);  
box-shadow:4px 4px 4px 4px rgb(2, 105,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 42.277, 270.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 105, 171) }
```

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

```
.background{ background-color: rgb(2, 105,  
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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