

Converting Colors

CIELCh(37, 62.697, 234.912)

Have a look what the booklet for
CIELCh(37, 62.697, 234.912)
contains.

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Color

CIELCh(43, 41.304, 268.622)

Conversions

Conversions Part 1

Format	Color
Hex	006AAA
RGB	0, 106, 170
RGB Percent	0%, 42%, 67%
CMY	1.0000, 0.5851, 0.3342
CMYK	1.00, 0.38, 0.00, 0.33
HSL	203°, 100%, 33%
HSV	203°, 100%, 67%
XYZ	12.3601, 13.1578, 39.8131
YIQ	81.6020, -83.7200, -2.5680

Conversions

Conversions Part 2

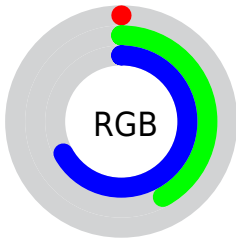
Format	Color
RYB	0, 65, 170
Decimal	27306
CIELab	43.00, -0.99, -41.29
CIELCh	43, 41.304, 268.622
Yxy	13.1578, 0.1892, 0.2014
Android (android.graphics.Color)	4278217386 (0xFF006AAA)
YUV	81.6020, 43.5802, -71.5650
Hunter-Lab	36.2736, -2.6557, -39.6838

Details

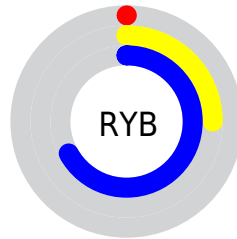
The CIELCh color **43, 41.304, 268.622** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **42, 66.694, 51.892**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 41.400, 268.676**, and **25, 38.717, 281.638** is the 20% darker color. If you saturate the color by 10%, you get **43, 41.291, 268.669**, and if you desaturate by 10%, it is **45, 38.096, 263.834**.

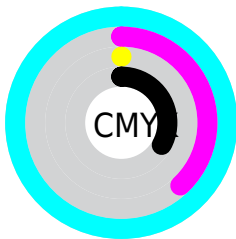
Distribution



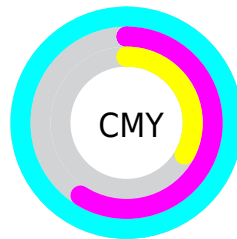
- Red (0%)
- Green (42%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (33%)





- Cyan (100%)
- Magenta (59%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 41.304, 268.622 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, 41.304, 268.622 by changing the saturation by 10% instead.


 43, 41.304,
268.622


 43, 41.304,
268.622


 100, 41.304,
268.622


 33, 41.304,
268.622

 63, 41.304,
268.622


 23, 41.304,
268.622

 73, 41.304,
268.622

 13, 41.304,
268.622

 83, 41.304,
268.622

 3, 41.304, 268.622

 93, 41.304,
268.622

 0, 41.304, 268.622

 43, 41.304,

 43, 41.304,

268.622

268.622

■ 43, 41.291,
268.669

■ 45, 38.096,
263.834

■ 47, 34.900,
259.276

■ 50, 31.523,
255.294

■ 52, 27.874,
251.918

■ 55, 23.912,
249.112

■ 58, 19.632,
246.807

■ 61, 15.061,
244.927

■ 64, 10.237,
243.400

Harmonies

Complementary

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



43, 41.304, 268.622



42, 66.694, 51.892

Rectangle

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



43, 41.304, 268.622



43, 41.304, 318.622



43, 41.304, 88.622



43, 41.304, 138.622

Sweetspot

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



43, 41.291, 268.669



77, 18.700, 245.020



61, 74.079, 143.524



40, 12.747, 245.752



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, 41.291, 268.669



56, 51.091, 269.683



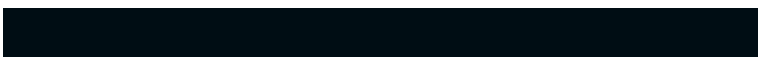
22, 91.460, 304.156



34, 2.927, 242.104



38, 37.004, 268.036



3, 5.597, 250.370

Inverse Universe

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



37, 65.219, 350.735



49, 79.351, 351.306



61, 65.271, 93.486



33, 4.933, 338.202



32, 59.053, 350.388



2, 8.443, 341.287

Previews

White Background



This preview shows how the CIELCh color 43, 41.304, 268.622 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 CIELCh color 43, 41.304, 268.622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

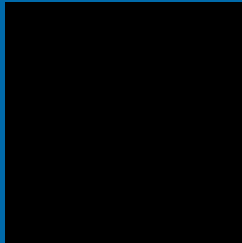
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 41.304, 268.622

Background



This preview shows how black text looks on a background with the CIELCh color 43, 41.304, 268.622.

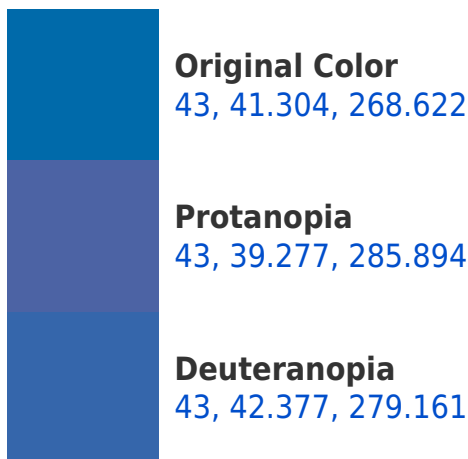


This preview shows how white text looks on a background with the CIELCh color 43, 41.304, 268.622.

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, 41.304, 268.622

Protanomaly
42, 40.407, 276.733

Deuteranomaly
43, 42.543, 274.754

Tritanomaly
43, 28.033, 236.415

Monochromacy



Original Color
43, 41.304, 268.622

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 18.401, 249.661

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 41.304, 268.622 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, 106, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 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(0, 106, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 41.304, 268.622 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, 106, 170) }
```

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

```
.border{ border-color:rgb(0, 106, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 106, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 41.304, 268.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 170) }
```

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

```
.background{ background-color: rgb(0, 106,  
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](#).

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