

Converting Colors

CIELCh(33, 88.359, 228.869)

Have a look what the booklet for
CIELCh(33, 88.359, 228.869)
contains.

CIELCh(43, 50.037, 277.530)	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(43, 50.037, 277.530)

Conversions

Conversions Part 1

Format	Color
Hex	0067B8
RGB	0, 103, 184
RGB Percent	0%, 40%, 72%
CMY	1.0000, 0.5961, 0.2785
CMYK	1.00, 0.44, 0.00, 0.28
HSL	206°, 100%, 36%
HSV	206°, 100%, 72%
XYZ	13.4986, 13.1578, 47.1674
YIQ	81.4370, -87.3890, 3.3550

Conversions

Conversions Part 2

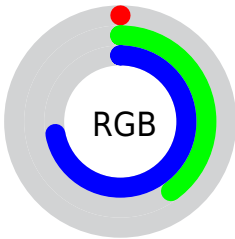
Format	Color
RYB	0, 66, 184
Decimal	26552
CIELab	43.00, 6.56, -49.61
CIELCh	43, 50.037, 277.530
Yxy	13.1578, 0.1828, 0.1782
Android (android.graphics.Color)	4278216632 (0xFF0067B8)
YUV	81.4370, 50.5636, -71.4202
Hunter-Lab	36.2736, 2.9467, -51.7046

Details

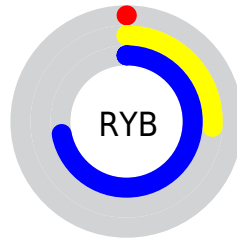
The CIELCh color **43, 50.037, 277.530** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **47, 68.569, 55.953**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 50.486, 277.951**, and **25, 47.893, 288.204** is the 20% darker color. If you saturate the color by 10%, you get **43, 50.036, 277.532**, and if you desaturate by 10%, it is **46, 45.478, 272.817**.

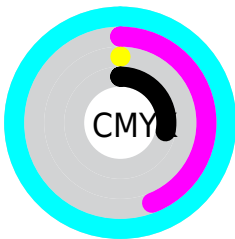
Distribution



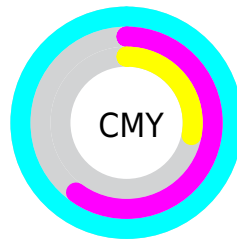
- Red (0%)
- Green (40%)
- Blue (72%)



- Red (0%)
- Yellow (26%)
- Blue (72%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (28%)





- Cyan (100%)
- Magenta (60%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 50.037, 277.530 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, 50.037, 277.530 by changing the saturation by 10% instead.


 43, 50.037,
277.530


 43, 50.037,
277.530


 100, 50.037,
277.530


 33, 50.037,
277.530

 63, 50.037,
277.530


 23, 50.037,
277.530

 73, 50.037,
277.530

 13, 50.037,
277.530

 83, 50.037,
277.530

 3, 50.037, 277.530

 93, 50.037,
277.530

 0, 50.037, 277.530

 43, 50.037,

 43, 50.037,

277.530

277.530

■ 43, 50.036,
277.532

■ 46, 45.478,
272.817

■ 48, 41.031,
268.270

■ 51, 36.540,
264.195

■ 54, 31.909,
260.662

■ 58, 27.078,
257.666

■ 61, 22.028,
255.161

■ 64, 16.767,
253.080

■ 68, 11.321,
251.359

Harmonies

Complementary

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



43, 50.037, 277.530



47, 68.569, 55.953

Rectangle

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



43, 50.037, 277.530



43, 50.037, 327.530



43, 50.037, 97.530



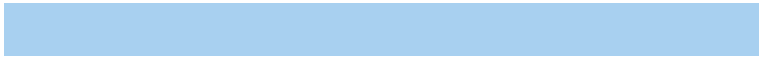
43, 50.037, 147.530

Sweetspot

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



43, 50.036, 277.532



82, 20.773, 253.176



66, 74.387, 146.044



42, 14.080, 254.006



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



43, 50.036, 277.532



55, 61.941, 278.410



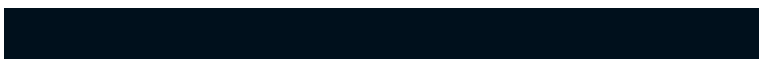
23, 101.686, 305.475



37, 3.239, 249.870



36, 43.694, 276.846



4, 9.662, 262.032

Inverse Universe

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



40, 67.323, 356.438



52, 81.895, 357.106



69, 72.274, 98.427



36, 5.071, 341.251



33, 59.587, 355.931



3, 12.660, 347.341

Previews

White Background



This preview shows how the CIE LCh color 43, 50.037, 277.530 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, 50.037, 277.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

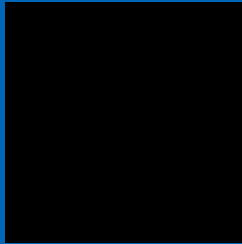
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 50.037, 277.530

Background



This preview shows how black text looks on a background with the CIELCh color 43, 50.037, 277.530.




This preview shows how white text looks on a background with the CIELCh color 43, 50.037, 277.530.

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, 26.660, 205.798

Trichromacy



Original Color
43, 50.037, 277.530

Protanomaly
43, 49.433, 281.777

Deuteranomaly
43, 49.507, 277.138

Tritanomaly
43, 29.232, 242.672

Monochromacy



Original Color
43, 50.037, 277.530

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 20.905, 258.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 50.037, 277.530 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, 103, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 184)  
}
```

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, 103, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 50.037, 277.530 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, 103, 184) }
```

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

```
.border{ border-color:rgb(0, 103, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 50.037, 277.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 184) }
```

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

```
.background{ background-color: rgb(0, 103,  
184) }
```

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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