

Converting Colors

CIELCh(43, 42.558, 271.633)

Have a look what the booklet for
CIELCh(43, 42.558, 271.633)
contains.

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Color

CIELCh(43, 42.517, 271.572)

Conversions

Conversions Part 1

Format	Color
Hex	1069AC
RGB	16, 105, 172
RGB Percent	6%, 41%, 67%
CMY	0.9387, 0.5887, 0.3260
CMYK	0.91, 0.39, 0.00, 0.33
HSL	206°, 83%, 37%
HSV	206°, 91%, 67%
XYZ	12.6789, 13.1578, 40.8313
YIQ	86.0270, -74.5510, 1.9690

Conversions

Conversions Part 2

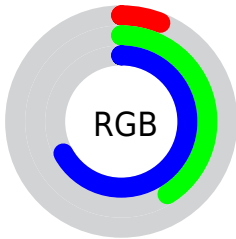
Format	Color
R_{YB}	16, 73, 172
Decimal	1075628
CIE _{Lab}	43.00, 1.17, -42.50
CIE _{LCh}	43, 42.517, 271.572
Yxy	13.1578, 0.1902, 0.1974
Android (android.graphics.Color)	4279265708 (0xFF1069AC)
YUV	86.0270, 42.3847, -61.4137
Hunter-Lab	36.2736, -1.0868, -41.3480

Details

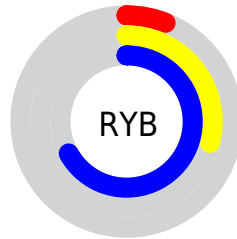
The CIELCh color **43, 42.517, 271.572** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 60.549, 57.096**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 42.525, 271.374**, and **25, 39.912, 282.585** is the 20% darker color. If you saturate the color by 10%, you get **41, 46.261, 275.848**, and if you desaturate by 10%, it is **46, 38.493, 267.003**.

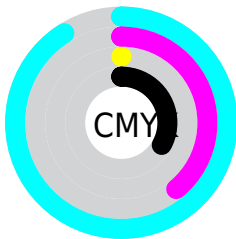
Distribution



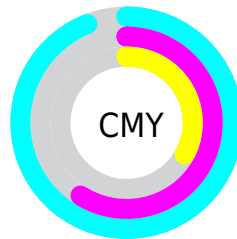
- Red (6%)
- Green (41%)
- Blue (67%)



- Red (6%)
- Yellow (29%)
- Blue (67%)



- Cyan (91%)
- Magenta (39%)
- Yellow (0%)
- Black (33%)





- Cyan (94%)
- Magenta (59%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 42.517, 271.572 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, 42.517, 271.572 by changing the saturation by 10% instead.


 43, 42.517,
271.572


 43, 42.517,
271.572


 100, 42.517,
271.572


 33, 42.517,
271.572

 63, 42.517,
271.572


 23, 42.517,
271.572


 73, 42.517,
271.572

 13, 42.517,
271.572

 83, 42.517,
271.572

 3, 42.517, 271.572

 93, 42.517,
271.572

 0, 42.517, 271.572

 43, 42.517,

 43, 42.517,

271.572

■ 41, 46.261,
275.848

271.572

■ 46, 38.493,
267.003

■ 48, 34.412,
262.913

■ 51, 30.178,
259.373

■ 54, 25.735,
256.376

■ 57, 21.065,
253.873

■ 60, 16.178,
251.798

■ 63, 11.098,
250.085

■ 67, 5.860, 248.684

Harmonies

Complementary

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



43, 42.517, 271.572



46, 60.549, 57.096

Rectangle

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



43, 42.517, 271.572



43, 42.517, 321.572



43, 42.517, 91.572



43, 42.517, 141.572

Sweetspot

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



43, 42.516, 271.573



78, 17.645, 251.174



62, 67.532, 147.356



40, 11.817, 251.771



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, 42.516, 271.573



53, 57.348, 276.806



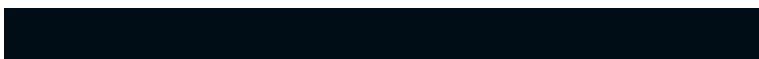
23, 89.365, 303.720



35, 3.069, 248.490



36, 41.560, 275.271



3, 6.969, 257.992

Inverse Universe

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



38, 63.382, 352.475



49, 78.270, 355.901



65, 66.108, 97.872



34, 4.875, 340.673



32, 58.419, 354.814



2, 9.548, 344.966

Previews

White Background



This preview shows how the CIE LCh color 43, 42.517, 271.572 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, 42.517, 271.572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

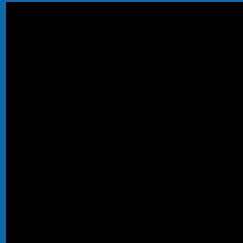
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 42.517, 271.572

Background



This preview shows how black text looks on a background with the CIELCh color 43, 42.517, 271.572.

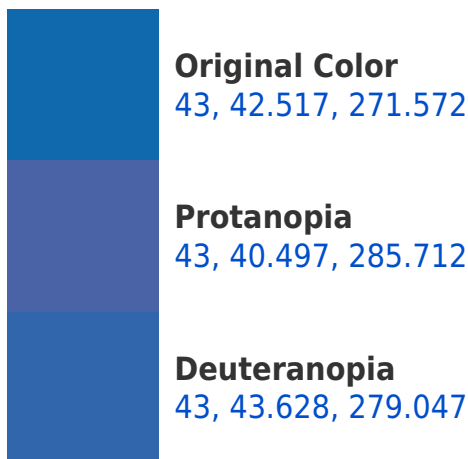



This preview shows how white text looks on a background with the CIELCh color 43, 42.517, 271.572.

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, 42.517, 271.572

Protanomaly
43, 41.287, 278.749

Deuteranomaly
43, 43.504, 276.114

Tritanomaly
43, 27.773, 236.873

Monochromacy



Original Color
43, 42.517, 271.572

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 17.979, 254.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 42.517, 271.572 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(16, 105, 172)` looks like.

```
.text, #text, p{  
    color:rgb(16, 105, 172)  
}
```

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(16, 105, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 105, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 42.517, 271.572 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(16, 105, 172) }
```

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

```
.border{ border-color:rgb(16, 105, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 105, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 105, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 105, 172);  
box-shadow:4px 4px 4px 4px rgb(16, 105,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 42.517, 271.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 105, 172) }
```

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

```
.background{ background-color: rgb(16, 105,  
172) }
```

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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