

Converting Colors

CIELCh(43, 42.328, 270.836)

Have a look what the booklet for
CIELCh(43, 42.328, 270.836)
contains.

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Color

CIELCh(43, 42.623, 271.163)

Conversions

Conversions Part 1

Format	Color
Hex	0A69AC
RGB	10, 105, 172
RGB Percent	4%, 41%, 67%
CMY	0.9600, 0.5881, 0.3253
CMYK	0.94, 0.39, 0.00, 0.33
HSL	205°, 89%, 36%
HSV	205°, 94%, 67%
XYZ	12.6341, 13.1578, 40.9275
YIQ	84.2330, -78.1270, 0.6970

Conversions

Conversions Part 2

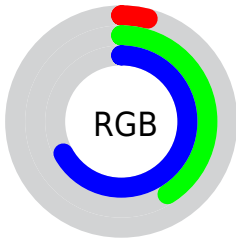
Format	Color
R_{YB}	10, 70, 172
Decimal	682412
CIE _{Lab}	43.00, 0.87, -42.61
CIE _{LCh}	43, 42.623, 271.163
Yxy	13.1578, 0.1894, 0.1972
Android (android.graphics.Color)	4278872492 (0xFF0A69AC)
YUV	84.2330, 43.2691, -65.1023
Hunter-Lab	36.2736, -1.3072, -41.5053

Details

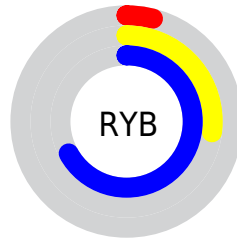
The CIELCh color **43, 42.623, 271.163** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **44, 62.726, 55.326**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 42.591, 271.114**, and **25, 39.912, 282.585** is the 20% darker color. If you saturate the color by 10%, you get **42, 44.937, 273.952**, and if you desaturate by 10%, it is **45, 38.832, 266.436**.

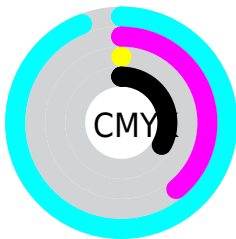
Distribution



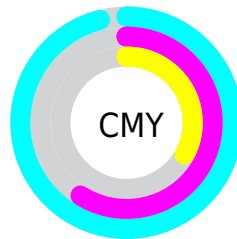
- Red (4%)
- Green (41%)
- Blue (67%)



- Red (4%)
- Yellow (27%)
- Blue (67%)



- Cyan (94%)
- Magenta (39%)
- Yellow (0%)
- Black (33%)





- Cyan (96%)
- Magenta (59%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 43, 42.623, 271.163 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, 42.623, 271.163 by changing the saturation by 10% instead.


 43, 42.623,
271.163


 43, 42.623,
271.163


 100, 42.623,
271.163


 33, 42.623,
271.163

 63, 42.623,
271.163


 23, 42.623,
271.163

 73, 42.623,
271.163

 13, 42.623,
271.163

 83, 42.623,
271.163

 3, 42.623, 271.163

 93, 42.623,
271.163

 0, 42.623, 271.163

 43, 42.623,

 43, 42.623,

271.163

■ 42, 44.937,
273.952

271.163

■ 45, 38.832,
266.436

■ 48, 34.991,
262.173

■ 51, 30.992,
258.468

■ 54, 26.765,
255.327

■ 57, 22.287,
252.706

■ 60, 17.561,
250.539

■ 63, 12.612,
248.754

■ 66, 7.477, 247.294

Harmonies

Complementary

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



43, 42.623, 271.163



44, 62.726, 55.326

Rectangle

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



43, 42.623, 271.163



43, 42.623, 321.163



43, 42.623, 91.163



43, 42.623, 141.163

Sweetspot

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



43, 42.622, 271.164



78, 18.082, 249.502



62, 70.089, 145.984



40, 12.380, 250.270



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, 42.622, 271.164



54, 55.624, 274.919



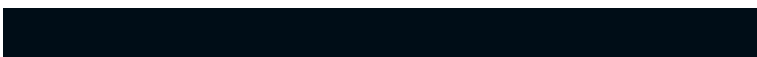
23, 90.661, 303.923



35, 3.046, 246.707



36, 40.350, 273.362



3, 6.892, 256.475

Inverse Universe

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



38, 64.205, 352.206



49, 78.709, 354.573



64, 66.133, 96.491



34, 4.926, 339.953



32, 58.765, 353.540



2, 9.643, 344.175

Previews

White Background



This preview shows how the CIE LCh color 43, 42.623, 271.163 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, 42.623, 271.163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

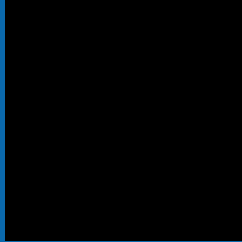
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 42.623, 271.163

Background



This preview shows how black text looks on a background with the CIELCh color 43, 42.623, 271.163.

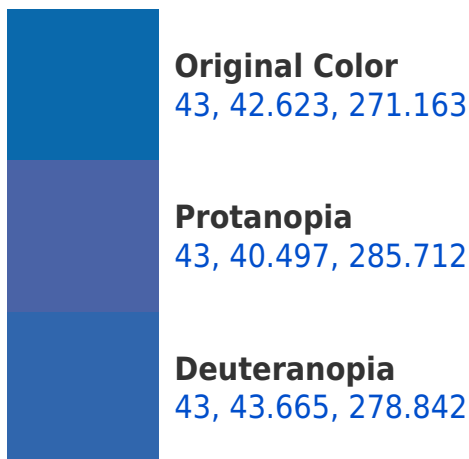



This preview shows how white text looks on a background with the CIELCh color 43, 42.623, 271.163.

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, 42.623, 271.163

Protanomaly
43, 41.370, 278.272

Deuteranomaly
43, 43.601, 275.659

Tritanomaly
43, 27.860, 236.720

Monochromacy



Original Color
43, 42.623, 271.163

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 18.313, 252.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 42.623, 271.163 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(10, 105, 172)` looks like.

```
.text, #text, p{  
    color:rgb(10, 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(10, 105, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 105, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 42.623, 271.163 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(10, 105, 172) }
```

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

```
.border{ border-color:rgb(10, 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(10, 105, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 105, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 105, 172);  
box-shadow:4px 4px 4px 4px rgb(10, 105,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 42.623, 271.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 105, 172) }
```

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

```
.background{ background-color: rgb(10, 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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