

Converting Colors

CIELCh(42, 42.083, 273.027)

Have a look what the booklet for
CIELCh(42, 42.083, 273.027)
contains.

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Color

CIELCh(42, 41.830, 272.671)

Conversions

Conversions Part 1

Format	Color
Hex	1766A8
RGB	23, 102, 168
RGB Percent	9%, 40%, 66%
CMY	0.9102, 0.6002, 0.3414
CMYK	0.86, 0.39, 0.00, 0.34
HSL	207°, 76%, 37%
HSV	207°, 86%, 66%
XYZ	12.1610, 12.5000, 38.7933
YIQ	85.9030, -68.2700, 3.7780

Conversions

Conversions Part 2

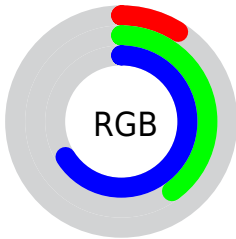
Format	Color
R _Y B	23, 74, 168
Decimal	1533608
CIE Lab	42.00, 1.95, -41.78
CIE LCh	42, 41.830, 272.671
Yxy	12.5000, 0.1916, 0.1970
Android (android.graphics.Color)	4279723688 (0xFF1766A8)
YUV	85.9030, 40.4738, -55.1659
Hunter-Lab	35.3553, -0.4743, -40.3067

Details

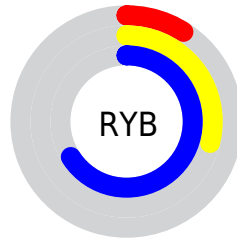
The CIELCh color **42, 41.830, 272.671** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 56.246, 60.094**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 41.799, 272.546**, and **24, 39.480, 283.271** is the 20% darker color. If you saturate the color by 10%, you get **39, 46.240, 277.307**, and if you desaturate by 10%, it is **45, 37.474, 268.366**.

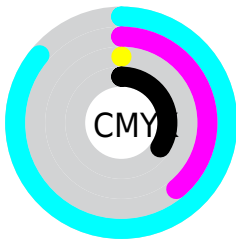
Distribution



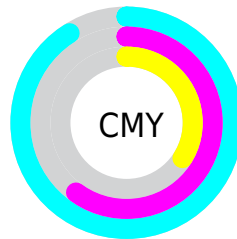
- Red (9%)
- Green (40%)
- Blue (66%)



- Red (9%)
- Yellow (29%)
- Blue (66%)



- Cyan (86%)
- Magenta (39%)
- Yellow (0%)
- Black (34%)





- Cyan (91%)
- Magenta (60%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 41.830, 272.671 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 42, 41.830, 272.671 by changing the saturation by 10% instead.


 42, 41.830,
272.671


 42, 41.830,
272.671


 100, 41.830,
272.671


 32, 41.830,
272.671

 62, 41.830,
272.671


 22, 41.830,
272.671

 72, 41.830,
272.671

 12, 41.830,
272.671

 82, 41.830,
272.671

 2, 41.830, 272.671

 92, 41.830,
272.671

 0, 41.830, 272.671

 42, 41.830,

 42, 41.830,

272.671

■ 39, 46.240,
277.307

■ 39, 47.901,
278.916

272.671

■ 45, 37.474,
268.366

■ 48, 33.068,
264.543

■ 51, 28.534,
261.246

■ 54, 23.832,
258.453

■ 57, 18.954,
256.114

■ 60, 13.909,
254.166

■ 63, 8.723, 252.549

■ 67, 3.424, 251.245

Harmonies

Complementary

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



42, 41.830, 272.671



46, 56.246, 60.094

Rectangle

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



42, 41.830, 272.671



42, 41.830, 322.671



42, 41.830, 92.671



42, 41.830, 142.671

Sweetspot

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



42, 41.829, 272.672



77, 17.041, 254.186



61, 62.182, 149.820



39, 11.490, 254.791



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



42, 41.829, 272.672



50, 59.441, 279.865



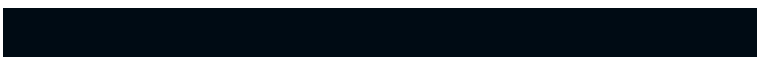
23, 86.422, 303.634



34, 3.042, 251.588



34, 43.215, 278.369



3, 5.896, 258.558

Inverse Universe

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



38, 60.749, 353.207



48, 76.294, 358.263



65, 65.084, 100.291



33, 4.670, 341.989



32, 57.183, 357.074



2, 8.013, 345.270

Previews

White Background



This preview shows how the CIE LCh color 42, 41.830, 272.671 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 42, 41.830, 272.671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

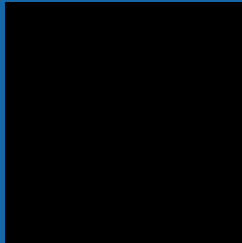
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 41.830, 272.671

Background



This preview shows how black text looks on a background with the CIELCh color 42, 41.830, 272.671.

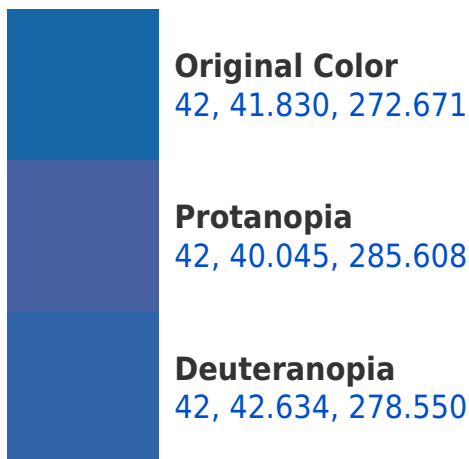


This preview shows how white text looks on a background with the CIELCh color 42, 41.830, 272.671.

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
42, 26.080, 207.451

Trichromacy



Original Color
42, 41.830, 272.671

Protanomaly
42, 40.713, 279.361

Deuteranomaly
42, 42.414, 276.069

Tritanomaly
42, 27.303, 237.954

Monochromacy



Original Color
42, 41.830, 272.671

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 17.366, 257.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 41.830, 272.671 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(23, 102, 168)` looks like.

```
.text, #text, p{  
    color:rgb(23, 102, 168)  
}
```

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(23, 102, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 102, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 41.830, 272.671 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(23, 102, 168) }
```

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

```
.border{ border-color:rgb(23, 102, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 102, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 102, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 102, 168);  
box-shadow:4px 4px 4px 4px rgb(23, 102,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 41.830, 272.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 102, 168) }
```

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

```
.background{ background-color: rgb(23, 102,  
168) }
```

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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