

Converting Colors

CIELCh(41, 42.579, 272.185)

Have a look what the booklet for
CIELCh(41, 42.579, 272.185)
contains.

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Color

CIELCh(41, 42.716, 272.282)

Conversions

Conversions Part 1

Format	Color
Hex	0264A7
RGB	2, 100, 167
RGB Percent	1%, 39%, 65%
CMY	0.9917, 0.6087, 0.3461
CMYK	0.99, 0.40, 0.00, 0.35
HSL	204°, 98%, 33%
HSV	204°, 99%, 65%
XYZ	11.5127, 11.8645, 38.1188
YIQ	78.3360, -79.9150, 0.0610

Conversions

Conversions Part 2

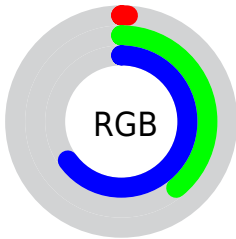
Format	Color
R_{YB}	2, 63, 167
Decimal	156839
CIE _{Lab}	41.00, 1.70, -42.68
CIE _{LCh}	41, 42.716, 272.282
Yxy	11.8645, 0.1872, 0.1929
Android (android.graphics.Color)	4278346919 (0xFF0264A7)
YUV	78.3360, 43.7114, -66.9467
Hunter-Lab	34.4449, -0.6176, -41.5024

Details

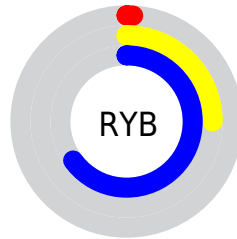
The CIELCh color **41, 42.716, 272.282** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **42, 63.968, 54.050**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 43.083, 272.791**, and **23, 40.211, 284.484** is the 20% darker color. If you saturate the color by 10%, you get **41, 43.190, 272.856**, and if you desaturate by 10%, it is **43, 39.096, 267.504**.

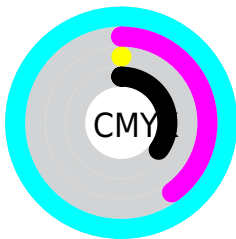
Distribution



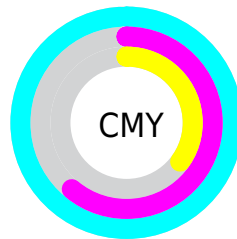
- Red (1%)
- Green (39%)
- Blue (65%)



- Red (1%)
- Yellow (25%)
- Blue (65%)



- Cyan (99%)
- Magenta (40%)
- Yellow (0%)
- Black (35%)





- Cyan (99%)
- Magenta (61%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 42.716, 272.282 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 41, 42.716, 272.282 by changing the saturation by 10% instead.


 41, 42.716,
272.282

 41, 42.716,
272.282


 100, 42.716,
272.282


 31, 42.716,
272.282


 61, 42.716,
272.282


 21, 42.716,
272.282


 71, 42.716,
272.282

 11, 42.716,
272.282

 81, 42.716,
272.282

 1, 42.716, 272.282

 91, 42.716,
272.282

 0, 42.716, 272.282

 41, 42.716,

 41, 42.716,

272.282

■ 41, 43.190,
272.856

272.282

■ 43, 39.096,
267.504

■ 46, 35.496,
263.021

■ 48, 31.769,
259.075

■ 51, 27.831,
255.704

■ 54, 23.640,
252.879

■ 57, 19.191,
250.538

■ 60, 14.502,
248.611

■ 63, 9.607, 247.031

Harmonies

Complementary

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



41, 42.716, 272.282



42, 63.968, 54.050

Rectangle

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



41, 42.716, 272.282



41, 42.716, 322.282



41, 42.716, 92.282



41, 42.716, 142.282

Sweetspot

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



41, 42.715, 272.283



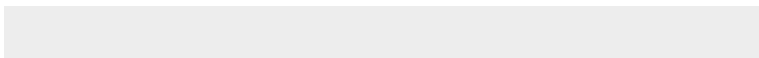
75, 18.683, 248.932



60, 70.451, 145.081



38, 12.754, 249.695



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



41, 42.715, 272.283



52, 53.298, 273.848



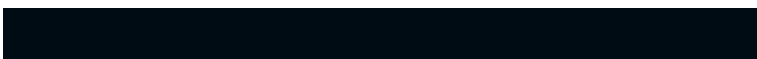
21, 91.628, 304.658



34, 2.961, 245.822



36, 39.234, 272.313



3, 5.701, 253.694

Inverse Universe

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



36, 63.352, 352.865



47, 76.935, 353.856



62, 65.490, 96.148



33, 4.830, 339.604



32, 58.228, 352.875



2, 8.269, 342.805

Previews

White Background



This preview shows how the CIE LCh color 41, 42.716, 272.282 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 41, 42.716, 272.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

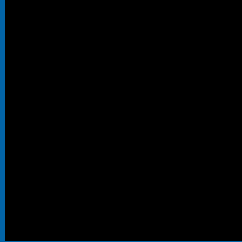
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 42.716, 272.282

Background



This preview shows how black text looks on a background with the CIELCh color 41, 42.716, 272.282.




This preview shows how white text looks on a background with the CIELCh color 41, 42.716, 272.282.

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
41, 25.563, 207.733

Trichromacy



Original Color
41, 42.731, 272.221

Protanomaly
41, 42.249, 278.947

Deuteranomaly
41, 42.800, 274.973

Tritanomaly
41, 27.501, 239.570

Monochromacy



Original Color
41, 42.731, 272.221

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 18.540, 252.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 42.716, 272.282 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(2, 100, 167)` looks like.

```
.text, #text, p{  
    color:rgb(2, 100, 167)  
}
```

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(2, 100, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 100, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 42.716, 272.282 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(2, 100, 167) }
```

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

```
.border{ border-color:rgb(2, 100, 167) }
```

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

Here you see how a box with a 4 pixel rgb(2, 100, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 100, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 100, 167);  
box-shadow:4px 4px 4px 4px rgb(2, 100,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 42.716, 272.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 100, 167) }
```

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

```
.background{ background-color: rgb(2, 100,  
167) }
```

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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