

Converting Colors

CIELCh(42, 40.217, 272.029)

Have a look what the booklet for
CIELCh(42, 40.217, 272.029)
contains.

CIELCh(42, 40.104, 271.868)	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(42, 40.104, 271.868)

Conversions

Conversions Part 1

Format	Color
Hex	1D66A5
RGB	29, 102, 165
RGB Percent	11%, 40%, 65%
CMY	0.8857, 0.5997, 0.3526
CMYK	0.82, 0.38, 0.00, 0.35
HSL	208°, 70%, 38%
HSV	208°, 82%, 65%
XYZ	12.0682, 12.5000, 37.4131
YIQ	87.3550, -63.7310, 4.1170

Conversions

Conversions Part 2

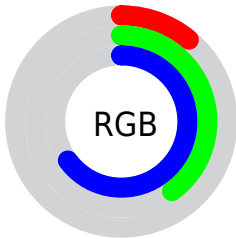
Format	Color
R_{YB}	29, 77, 165
Decimal	1926821
CIE _{Lab}	42.00, 1.31, -40.08
CIE _{LCh}	42, 40.104, 271.868
Yxy	12.5000, 0.1947, 0.2017
Android (android.graphics.Color)	4280116901 (0xFF1D66A5)
YUV	87.3550, 38.2790, -51.1773
Hunter-Lab	35.3553, -0.9425, -37.9920

Details

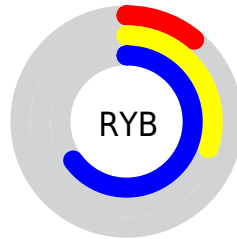
The CIELCh color **42, 40.104, 271.868** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **47, 52.849, 61.518**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 39.686, 271.440**, and **24, 38.272, 282.327** is the 20% darker color. If you saturate the color by 10%, you get **39, 44.550, 276.371**, and if you desaturate by 10%, it is **45, 35.677, 267.772**.

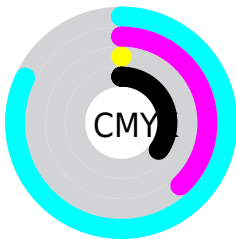
Distribution



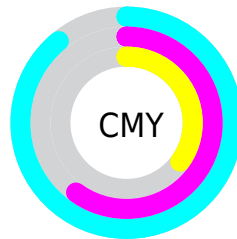
- Red (11%)
- Green (40%)
- Blue (65%)



- Red (11%)
- Yellow (30%)
- Blue (65%)



- Cyan (82%)
- Magenta (38%)
- Yellow (0%)
- Black (35%)



- Cyan (89%)
- Magenta (60%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 40.104, 271.868 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, 40.104, 271.868 by changing the saturation by 10% instead.

■ 42, 40.104,
271.868

■ 42, 40.104,
271.868

■ 100, 40.104,
271.868

■ 32, 40.104,
271.868

■ 62, 40.104,
271.868

■ 22, 40.104,
271.868

■ 72, 40.104,
271.868

■ 12, 40.104,
271.868

■ 82, 40.104,
271.868

■ 2, 40.104, 271.868

■ 92, 40.104,
271.868

■ 0, 40.104, 271.868

■ 42, 40.104,

■ 42, 40.104,

271.868

■ 39, 44.550,
276.371

■ 37, 48.064,
279.816

271.868

■ 45, 35.677,
267.772

■ 48, 31.183,
264.173

■ 51, 26.558,
261.087

■ 54, 21.776,
258.482

■ 57, 16.836,
256.300

■ 60, 11.752,
254.481

■ 64, 6.550, 252.974

■ 67, 1.256, 251.910

Harmonies

Complementary

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



42, 40.104, 271.868



47, 52.849, 61.518

Rectangle

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



42, 40.104, 271.868



42, 40.104, 321.868



42, 40.104, 91.868



42, 40.104, 141.868

Sweetspot

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



42, 40.103, 271.869



75, 16.207, 255.013



60, 59.362, 150.657



38, 11.000, 255.614



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



42, 40.103, 271.869



49, 58.777, 280.303



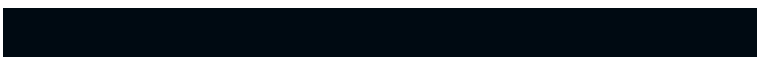
24, 81.597, 302.792



33, 2.982, 252.571



33, 43.348, 279.266



2, 4.842, 256.932

Inverse Universe

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



38, 58.650, 352.747



46, 74.705, 358.633



64, 62.681, 100.541



32, 4.526, 342.425



31, 56.327, 357.778



1, 6.733, 344.410

Previews

White Background



This preview shows how the CIE LCh color 42, 40.104, 271.868 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 CIELCh color 42, 40.104, 271.868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

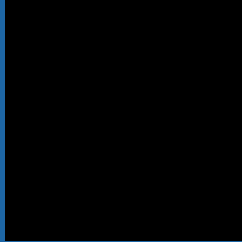
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 40.104, 271.868

Background



This preview shows how black text looks on a background with the CIELCh color 42, 40.104, 271.868.



This preview shows how white text looks on a background with the CIELCh color 42, 40.104, 271.868.

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



Original Color

42, 40.104, 271.868

Protanopia

42, 38.242, 285.510

Deuteranopia

42, 41.349, 279.253



Tritanopia
42, 26.080, 207.451

Trichromacy



Original Color
42, 40.104, 271.868

Protanomaly
42, 38.872, 279.272

Deuteranomaly
42, 41.117, 276.667

Tritanomaly
42, 26.922, 236.929

Monochromacy



Original Color
42, 40.104, 271.868

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 16.423, 258.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 40.104, 271.868 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(29, 102, 165)` looks like.

```
.text, #text, p{  
    color:rgb(29, 102, 165)  
}
```

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(29, 102, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 102, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 40.104, 271.868 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(29, 102, 165) }
```

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

```
.border{ border-color:rgb(29, 102, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 102, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 102, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 102, 165);  
box-shadow:4px 4px 4px 4px rgb(29, 102,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 40.104, 271.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 102, 165) }
```

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

```
.background{ background-color: rgb(29, 102,  
165) }
```

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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