

Converting Colors

CIELCh(42, 68.410, 291.302)

Have a look what the booklet for
CIELCh(42, 68.410, 291.302)
contains.

CIELCh(42, 68.425, 291.214)	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, 68.425, 291.214)

Conversions

Conversions Part 1

Format	Color
Hex	285CCE
RGB	40, 92, 206
RGB Percent	16%, 36%, 81%
CMY	0.8450, 0.6401, 0.1932
CMYK	0.81, 0.55, 0.00, 0.19
HSL	221°, 68%, 48%
HSV	221°, 81%, 81%
XYZ	15.7720, 12.5000, 59.8023
YIQ	89.4480, -67.5860, 24.4300

Conversions

Conversions Part 2

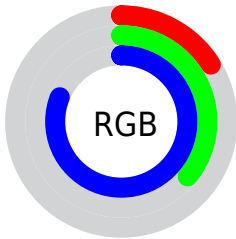
Format	Color
R_{YB}	40, 80, 206
Decimal	2645198
CIE _{Lab}	42.00, 24.76, -63.79
CIE _{LCh}	42, 68.425, 291.214
Yxy	12.5000, 0.1791, 0.1419
Android (android.graphics.Color)	4280835278 (0xFF285CCE)
YUV	89.4480, 57.4601, -43.3659
Hunter-Lab	35.3553, 17.7571, -75.5382

Details

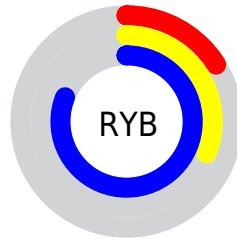
The CIELCh color **42, 68.425, 291.214** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **67, 63.164, 81.302**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 63.372, 289.913**, and **25, 67.355, 297.223** is the 20% darker color. If you saturate the color by 10%, you get **38, 77.802, 294.765**, and if you desaturate by 10%, it is **47, 59.194, 287.790**.

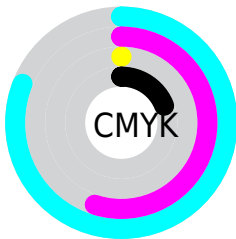
Distribution



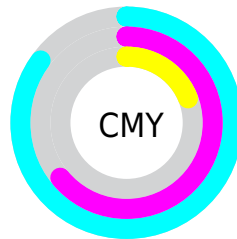
- Red (16%)
- Green (36%)
- Blue (81%)



- Red (16%)
- Yellow (31%)
- Blue (81%)



- Cyan (81%)
- Magenta (55%)
- Yellow (0%)
- Black (19%)




- Cyan (85%)
- Magenta (64%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 68.425, 291.214 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, 68.425, 291.214 by changing the saturation by 10% instead.


 42, 68.425,
291.214


 42, 68.425,
291.214


 100, 68.425,
291.214

 32, 68.425,
291.214

 62, 68.425,
291.214

 22, 68.425,
291.214

 72, 68.425,
291.214

 12, 68.425,
291.214

 82, 68.425,
291.214

 2, 68.425, 291.214

 92, 68.425,
291.214

 0, 68.425, 291.214

 42, 68.425,

 42, 68.425,

291.214

■ 38, 77.802,
294.765

■ 34, 86.346,
297.883

291.214

■ 47, 59.194,
287.790

■ 51, 50.213,
284.644

■ 56, 41.484,
281.852

■ 61, 32.974,
279.425

■ 67, 24.651,
277.341

■ 72, 16.492,
275.561

■ 77, 8.483, 274.046

■ 82, 0.619, 273.084

Harmonies

Complementary

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



42, 68.425, 291.214



67, 63.164, 81.302

Rectangle

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



42, 68.425, 291.214



42, 68.425, 341.214



42, 68.425, 111.214



42, 68.425, 161.214

Sweetspot

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



42, 68.425, 291.215



85, 22.742, 276.155



74, 54.972, 164.387



43, 15.675, 276.800



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 68.425, 291.215



44, 99.576, 297.342



32, 98.542, 306.124



40, 4.427, 273.856



27, 72.368, 297.336



4, 18.514, 282.868

Inverse Universe

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



46, 66.381, 10.737



54, 86.425, 19.377



78, 77.681, 112.996



40, 4.749, 355.802



35, 62.949, 19.300



4, 18.613, 4.178

Previews

White Background



This preview shows how the CIE LCh color 42, 68.425, 291.214 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, 68.425, 291.214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

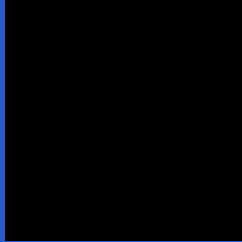
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 68.425, 291.214

Background



This preview shows how black text looks on a background with the CIELCh color 42, 68.425, 291.214.



This preview shows how white text looks on a background with the CIELCh color 42, 68.425, 291.214.

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, 68.425, 291.214

Protanopia

42, 64.668, 287.134

Deuteranopia

42, 45.858, 274.724



Tritanopia
42, 25.908, 207.544

Trichromacy



Original Color
42, 68.425, 291.214

Protanomaly
42, 65.767, 288.234

Deuteranomaly
42, 53.863, 281.947

Tritanomaly
41, 32.586, 257.965

Monochromacy



Original Color
42, 68.425, 291.214

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 25.632, 280.043

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 68.425, 291.214 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(40, 92, 206)` looks like.

```
.text, #text, p{  
    color:rgb(40, 92, 206)  
}
```

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(40, 92, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 92, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 68.425, 291.214 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(40, 92, 206) }
```

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

```
.border{ border-color:rgb(40, 92, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 92, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 92, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 92, 206);  
box-shadow:4px 4px 4px 4px rgb(40, 92,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 68.425, 291.214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 92, 206) }
```

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

```
.background{ background-color: rgb(40, 92,  
206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor