

Converting Colors

CIELCh(42, 60.426, 289.900)

Have a look what the booklet for
CIELCh(42, 60.426, 289.900)
contains.

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Color

CIELCh(42, 60.812, 290.120)

Conversions

Conversions Part 1

Format	Color
Hex	345DC2
RGB	52, 93, 194
RGB Percent	20%, 36%, 76%
CMY	0.7950, 0.6346, 0.2384
CMYK	0.73, 0.52, 0.00, 0.24
HSL	223°, 58%, 48%
HSV	223°, 73%, 76%
XYZ	15.1198, 12.5000, 52.7723
YIQ	92.2550, -56.8570, 22.7190

Conversions

Conversions Part 2

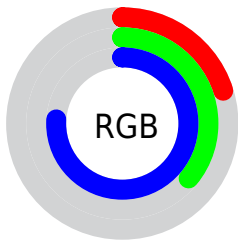
Format	Color
RYB	52, 84, 194
Decimal	3431874
CIELab	42.00, 20.92, -57.10
CIELCh	42, 60.812, 290.120
Yxy	12.5000, 0.1881, 0.1555
Android (android.graphics.Color)	4281621954 (0xFF345DC2)
YUV	92.2550, 50.1603, -35.3036
Hunter-Lab	35.3553, 14.4639, -63.7491

Details

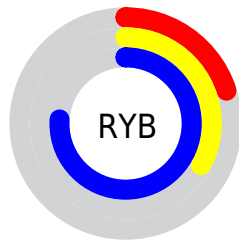
The CIELCh color **42, 60.812, 290.120** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **65, 56.373, 84.822**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 60.518, 290.047**, and **24, 59.618, 295.030** is the 20% darker color. If you saturate the color by 10%, you get **38, 70.075, 293.470**, and if you desaturate by 10%, it is **47, 51.769, 286.999**.

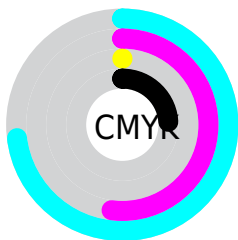
Distribution



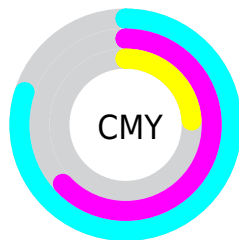
- Red (20%)
- Green (36%)
- Blue (76%)



- Red (20%)
- Yellow (33%)
- Blue (76%)



- Cyan (73%)
- Magenta (52%)
- Yellow (0%)
- Black (24%)





- Cyan (80%)
- Magenta (63%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 60.812, 290.120 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, 60.812, 290.120 by changing the saturation by 10% instead.


 42, 60.812,
290.120


 42, 60.812,
290.120


 100, 60.812,
290.120


 32, 60.812,
290.120

 62, 60.812,
290.120


 22, 60.812,
290.120


 72, 60.812,
290.120

 12, 60.812,
290.120

 82, 60.812,
290.120

 2, 60.812, 290.120

 92, 60.812,
290.120

 0, 60.812, 290.120

 42, 60.812,

 42, 60.812,

290.120

■ 38, 70.075,
293.470

■ 34, 79.365,
296.866

■ 31, 85.624,
299.045

290.120

■ 47, 51.769,
286.999

■ 52, 42.994,
284.200

■ 57, 34.471,
281.753

■ 62, 26.168,
279.642

■ 67, 18.061,
277.836

■ 72, 10.130,
276.295

■ 77, 2.365, 275.031

■ 82, 5.241, 93.757

Harmonies

Complementary

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



42, 60.812, 290.120



65, 56.373, 84.822

Rectangle

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



42, 60.812, 290.120



42, 60.812, 340.120



42, 60.812, 110.120



42, 60.812, 160.120

Sweetspot

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



42, 60.812, 290.121



85, 21.289, 277.715



71, 48.425, 167.075



44, 14.464, 278.181



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, 60.812, 290.121



46, 92.528, 295.623



34, 85.667, 305.560



38, 4.369, 275.786



25, 73.343, 298.572



3, 15.643, 281.795

Inverse Universe

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



45, 59.144, 9.829



55, 82.530, 16.802



74, 69.806, 113.818



38, 4.492, 357.614



33, 62.204, 21.512



3, 14.569, 4.078

Previews

White Background



This preview shows how the CIELCh color 42, 60.812, 290.120 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, 60.812, 290.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

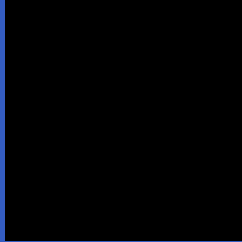
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 60.812, 290.120

Background



This preview shows how black text looks on a background with the CIELCh color 42, 60.812, 290.120.



This preview shows how white text looks on a background with the CIELCh color 42, 60.812, 290.120.

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, 60.812, 290.120

Protanopia

42, 61.041, 287.313

Deuteranopia

42, 46.907, 275.616



Tritanopia
42, 26.143, 206.032

Trichromacy



Original Color
42, 60.812, 290.120

Protanomaly
42, 60.982, 288.301

Deuteranomaly
42, 52.154, 281.291

Tritanomaly
41, 30.409, 253.606

Monochromacy



Original Color
42, 60.812, 290.120

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 22.922, 281.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 60.812, 290.120 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(52, 93, 194)` looks like.

```
.text, #text, p{  
    color:rgb(52, 93, 194)  
}
```

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(52, 93, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 93, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 60.812, 290.120 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(52, 93, 194) }
```

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

```
.border{ border-color:rgb(52, 93, 194) }
```

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

Here you see how a box with a 4 pixel rgb(52, 93, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 93, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 93, 194);  
box-shadow:4px 4px 4px 4px rgb(52, 93,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 60.812, 290.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 93, 194) }
```

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

```
.background{ background-color: rgb(52, 93,  
194) }
```

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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