

Converting Colors

CIELCh(42, 31.813, 253.549)

Have a look what the booklet for
CIELCh(42, 31.813, 253.549)
contains.

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Color

CIELCh(42, 31.821, 253.512)

Conversions

Conversions Part 1

Format	Color
Hex	066A95
RGB	6, 106, 149
RGB Percent	2%, 42%, 58%
CMY	0.9772, 0.5846, 0.4160
CMYK	0.96, 0.29, 0.00, 0.42
HSL	198°, 92%, 30%
HSV	198°, 96%, 58%
XYZ	10.6392, 12.5000, 30.2570
YIQ	81.0020, -73.4030, -7.8270

Conversions

Conversions Part 2

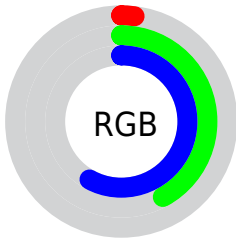
Format	Color
RYB	6, 65, 149
Decimal	420501
CIELab	42.00, -9.03, -30.51
CIELCh	42, 31.821, 253.512
Yxy	12.5000, 0.1993, 0.2341
Android (android.graphics.Color)	4278610581 (0xFF066A95)
YUV	81.0020, 33.5230, -65.7768
Hunter-Lab	35.3553, -8.1571, -25.9915

Details

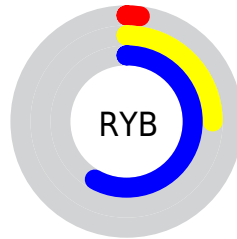
The CIELCh color **42, 31.821, 253.512** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **35, 60.349, 47.969**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 31.741, 253.421**, and **24, 27.789, 268.680** is the 20% darker color. If you saturate the color by 10%, you get **41, 32.554, 255.251**, and if you desaturate by 10%, it is **44, 29.981, 249.012**.

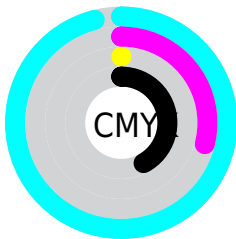
Distribution



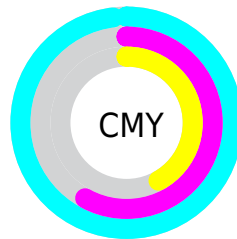
- Red (2%)
- Green (42%)
- Blue (58%)



- Red (2%)
- Yellow (25%)
- Blue (58%)



- Cyan (96%)
- Magenta (29%)
- Yellow (0%)
- Black (42%)





- Cyan (98%)
- Magenta (58%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 31.821, 253.512 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, 31.821, 253.512 by changing the saturation by 10% instead.


 42, 31.821,
253.512


 42, 31.821,
253.512


 100, 31.821,
253.512


 32, 31.821,
253.512

 62, 31.821,
253.512


 22, 31.821,
253.512

 72, 31.821,
253.512

 12, 31.821,
253.512

 82, 31.821,
253.512

 2, 31.821, 253.512

 92, 31.821,
253.512

 0, 31.821, 253.512

 42, 31.821,

 42, 31.821,

253.512

■ 41, 32.554,
255.251

253.512

■ 44, 29.981,
249.012

■ 45, 27.888,
245.107

■ 47, 25.428,
241.852

■ 49, 22.560,
239.195

■ 51, 19.281,
237.055

■ 53, 15.622,
235.349

■ 56, 11.628,
233.998

■ 58, 7.351, 232.941

Harmonies

Complementary

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



42, 31.821, 253.512



35, 60.349, 47.969

Rectangle

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



42, 31.821, 253.512



42, 31.821, 303.512



42, 31.821, 73.512



42, 31.821, 123.512

Sweetspot

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



42, 31.820, 253.513



70, 15.861, 234.433



54, 68.777, 142.170



35, 10.730, 234.960



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



42, 31.820, 253.513



53, 39.921, 256.377



21, 74.323, 301.071



30, 2.603, 232.372



38, 30.649, 254.862



2, 2.319, 231.621

Inverse Universe

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



33, 61.570, 343.880



43, 75.021, 344.988



52, 56.391, 88.698



29, 4.678, 334.878



30, 58.629, 344.396



1, 4.062, 334.300

Previews

White Background



This preview shows how the CIELCh color 42, 31.821, 253.512 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, 31.821, 253.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

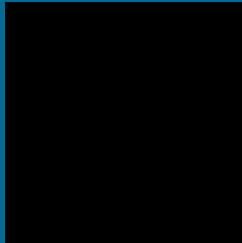
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 31.821, 253.512

Background



This preview shows how black text looks on a background with the CIELCh color 42, 31.821, 253.512.

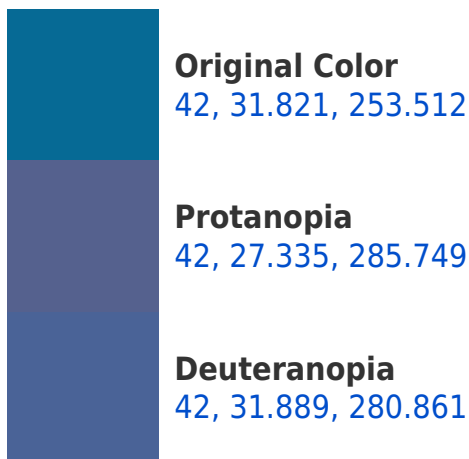


This preview shows how white text looks on a background with the CIELCh color 42, 31.821, 253.512.

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, 31.821, 253.512

Protanomaly
41, 29.312, 268.499

Deuteranomaly
42, 31.470, 267.116

Tritanomaly
42, 26.185, 224.890

Monochromacy



Original Color
42, 31.821, 253.512

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 15.486, 238.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 31.821, 253.512 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(6, 106, 149)` looks like.

```
.text, #text, p{  
    color:rgb(6, 106, 149)  
}
```

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(6, 106, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 106, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 31.821, 253.512 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(6, 106, 149) }
```

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

```
.border{ border-color:rgb(6, 106, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 106, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 106, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 106, 149);  
box-shadow:4px 4px 4px 4px rgb(6, 106,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 31.821, 253.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 106, 149) }
```

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

```
.background{ background-color: rgb(6, 106,  
149) }
```

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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