

Converting Colors

CIELCh(42, 31.089, 250.691)

Have a look what the booklet for
CIELCh(42, 31.089, 250.691)
contains.

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Color

CIELCh(42, 31.191, 251.264)

Conversions

Conversions Part 1

Format	Color
Hex	036A93
RGB	3, 106, 147
RGB Percent	1%, 42%, 58%
CMY	0.9884, 0.5832, 0.4224
CMYK	0.98, 0.28, 0.00, 0.42
HSL	197°, 96%, 29%
HSV	197°, 98%, 58%
XYZ	10.5090, 12.5000, 29.5844
YIQ	79.8770, -74.5490, -9.0850

Conversions

Conversions Part 2

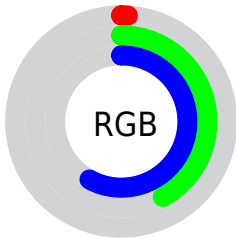
Format	Color
R_{YB}	3, 63, 147
Decimal	223891
CIE _{Lab}	42.00, -10.02, -29.54
CIE _{LCh}	42, 31.191, 251.264
Yxy	12.5000, 0.1998, 0.2377
Android (android.graphics.Color)	4278413971 (0xFF036A93)
YUV	79.8770, 33.0916, -67.4211
Hunter-Lab	35.3553, -8.8148, -24.8636

Details

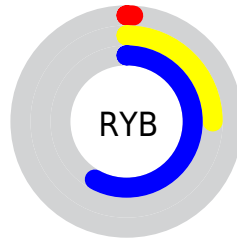
The CIELCh color **42, 31.191, 251.264** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **34, 61.549, 47.149**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 31.105, 251.477**, and **24, 26.721, 266.726** is the 20% darker color. If you saturate the color by 10%, you get **42, 31.528, 252.128**, and if you desaturate by 10%, it is **43, 29.566, 246.852**.

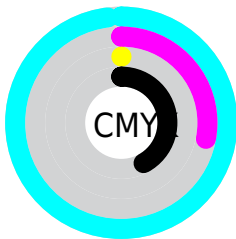
Distribution



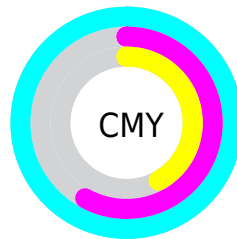
- Red (1%)
- Green (42%)
- Blue (58%)



- Red (1%)
- Yellow (25%)
- Blue (58%)



- Cyan (98%)
- Magenta (28%)
- Yellow (0%)
- Black (42%)





- Cyan (99%)
- Magenta (58%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 31.191, 251.264 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, 31.191, 251.264 by changing the saturation by 10% instead.


 42, 31.191,
251.264


 42, 31.191,
251.264


 100, 31.191,
251.264


 32, 31.191,
251.264

 62, 31.191,
251.264


 22, 31.191,
251.264

 72, 31.191,
251.264

 12, 31.191,
251.264

 82, 31.191,
251.264

 2, 31.191, 251.264

 92, 31.191,
251.264

 0, 31.191, 251.264

 42, 31.191,

 42, 31.191,

251.264

■ 42, 31.528,
252.128

251.264

■ 43, 29.566,
246.852

■ 45, 27.705,
242.965

■ 47, 25.461,
239.733

■ 49, 22.786,
237.103

■ 51, 19.678,
234.994

■ 53, 16.163,
233.320

■ 55, 12.291,
232.004

■ 57, 8.114, 230.981

Harmonies

Complementary

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



42, 31.191, 251.264



34, 61.549, 47.149

Rectangle

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



42, 31.191, 251.264



42, 31.191, 301.264



42, 31.191, 71.264



42, 31.191, 121.264

Sweetspot

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



42, 31.190, 251.265



69, 15.679, 232.193



53, 69.812, 141.344



36, 10.714, 232.687



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, 31.190, 251.265



54, 38.543, 253.236



21, 73.600, 300.890



30, 2.607, 230.301



39, 29.948, 251.798



2, 2.324, 229.612

Inverse Universe

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



33, 61.924, 343.061



43, 75.083, 343.782



50, 55.950, 87.039



29, 4.733, 334.221



30, 59.243, 343.256



1, 4.110, 333.652

Previews

White Background



This preview shows how the CIELCh color 42, 31.191, 251.264 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, 31.191, 251.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

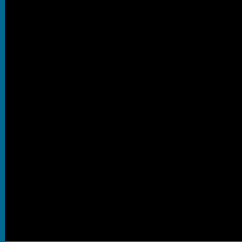
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 31.191, 251.264

Background



This preview shows how black text looks on a background with the CIELCh color 42, 31.191, 251.264.

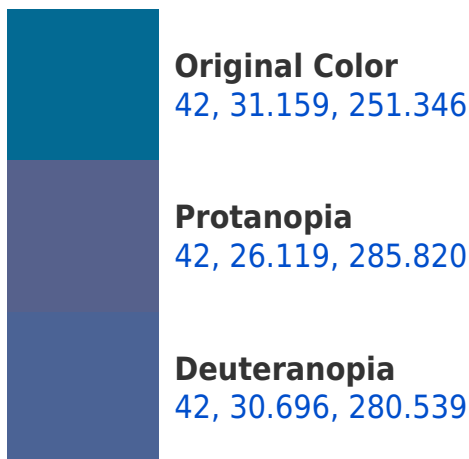


This preview shows how white text looks on a background with the CIELCh color 42, 31.191, 251.264.

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, 31.159, 251.346

Protanomaly
41, 28.291, 267.037

Deuteranomaly
42, 30.479, 265.668

Tritanomaly
42, 26.238, 224.824

Monochromacy



Original Color
42, 31.159, 251.346

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 15.356, 232.804

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 31.191, 251.264 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(3, 106, 147)` looks like.

```
.text, #text, p{  
    color:rgb(3, 106, 147)  
}
```

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(3, 106, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 106, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 31.191, 251.264 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(3, 106, 147) }
```

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

```
.border{ border-color:rgb(3, 106, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 106, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 106, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 106, 147);  
box-shadow:4px 4px 4px 4px rgb(3, 106,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 31.191, 251.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 106, 147) }
```

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

```
.background{ background-color: rgb(3, 106,  
147) }
```

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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