

Converting Colors

CIELCh(42, 31.614, 266.494)

Have a look what the booklet for
CIELCh(42, 31.614, 266.494)
contains.

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Color

CIELCh(42, 31.594, 266.344)

Conversions

Conversions Part 1

Format	Color
Hex	306797
RGB	48, 103, 151
RGB Percent	19%, 40%, 59%
CMY	0.8130, 0.5970, 0.4089
CMYK	0.68, 0.32, 0.00, 0.41
HSL	208°, 52%, 39%
HSV	208°, 68%, 59%
XYZ	11.5960, 12.5000, 30.9700
YIQ	92.0270, -48.1880, 3.2680

Conversions

Conversions Part 2

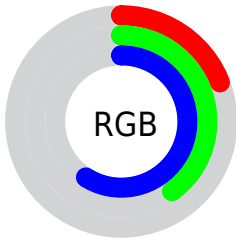
Format	Color
RYB	48, 84, 151
Decimal	3172247
CIELab	42.00, -2.01, -31.53
CIElCh	42, 31.594, 266.344
Yxy	12.5000, 0.2106, 0.2270
Android (android.graphics.Color)	4281362327 (0xFF306797)
YUV	92.0270, 29.0737, -38.6117
Hunter-Lab	35.3553, -3.3268, -27.1872

Details

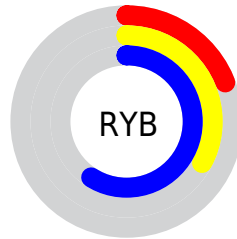
The CIELCh color **42, 31.594, 266.344** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **46, 40.156, 63.705**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 31.337, 265.653**, and **23, 30.577, 274.391** is the 20% darker color. If you saturate the color by 10%, you get **39, 35.749, 270.192**, and if you desaturate by 10%, it is **45, 27.349, 263.001**.

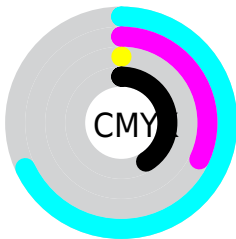
Distribution



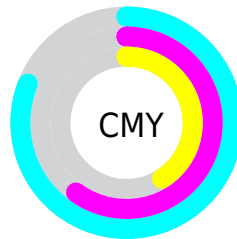
- Red (19%)
- Green (40%)
- Blue (59%)



- Red (19%)
- Yellow (33%)
- Blue (59%)



- Cyan (68%)
- Magenta (32%)
- Yellow (0%)
- Black (41%)





- Cyan (81%)
- Magenta (60%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 31.594, 266.344 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, 31.594, 266.344 by changing the saturation by 10% instead.


 42, 31.594,
266.344


 42, 31.594,
266.344


 100, 31.594,
266.344


 32, 31.594,
266.344

 62, 31.594,
266.344


 22, 31.594,
266.344

 72, 31.594,
266.344

 12, 31.594,
266.344

 82, 31.594,
266.344

 2, 31.594, 266.344

 92, 31.594,
266.344

 0, 31.594, 266.344

 42, 31.594,

 42, 31.594,

266.344

266.344

■ 39, 35.749,
270.192

■ 45, 27.349,
263.001

■ 37, 39.887,
274.488

■ 48, 22.974,
260.151

■ 34, 44.118,
278.976

■ 51, 18.454,
257.751

■ 34, 44.836,
279.664

■ 54, 13.795,
255.743

■ 57, 9.016, 254.067

■ 60, 4.139, 252.692

■ 63, 0.811, 71.024

■ 66, 5.811, 70.349

■ 69, 10.842, 69.507

Harmonies

Complementary

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



42, 31.594, 266.344



46, 40.156, 63.705

Rectangle

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



42, 31.594, 266.344



42, 31.594, 316.344



42, 31.594, 86.344



42, 31.594, 136.344

Sweetspot

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



42, 31.593, 266.345



71, 12.758, 254.548



56, 47.928, 153.319



37, 8.683, 254.966



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



42, 31.593, 266.345



50, 46.127, 272.418



28, 62.403, 299.471



31, 2.831, 252.800



32, 42.286, 279.333



2, 3.099, 252.624

Inverse Universe

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



37, 48.900, 349.680



45, 66.891, 353.086



59, 51.367, 101.588



30, 4.283, 342.525



30, 54.871, 357.832



1, 4.554, 342.303

Previews

White Background



This preview shows how the CIE LCh color 42, 31.594, 266.344 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, 31.594, 266.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

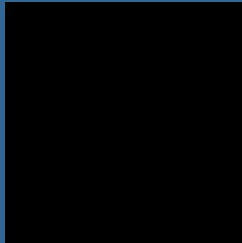
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 31.594, 266.344

Background



This preview shows how black text looks on a background with the CIELCh color 42, 31.594, 266.344.

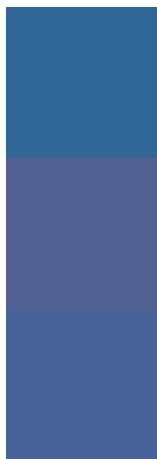


This preview shows how white text looks on a background with the CIELCh color 42, 31.594, 266.344.

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, 31.594, 266.344

Protanopia

42, 29.796, 285.136

Deuteranopia

42, 33.131, 281.264



Tritanopia
42, 23.855, 210.231

Trichromacy



Original Color
42, 31.594, 266.344

Protanomaly
42, 30.418, 277.636

Deuteranomaly
42, 32.537, 275.546

Tritanomaly
42, 23.977, 233.376

Monochromacy



Original Color
42, 31.594, 266.344

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 12.463, 255.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 31.594, 266.344 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(48, 103, 151)` looks like.

```
.text, #text, p{  
    color:rgb(48, 103, 151)  
}
```

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(48, 103, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 103, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 31.594, 266.344 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(48, 103, 151) }
```

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

```
.border{ border-color:rgb(48, 103, 151) }
```

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

Here you see how a box with a 4 pixel rgb(48, 103, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 103, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 103, 151);  
box-shadow:4px 4px 4px 4px rgb(48, 103,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 31.594, 266.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 103, 151) }
```

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

```
.background{ background-color: rgb(48, 103,  
151) }
```

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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