

Converting Colors

CIELCh(31, 44.417, 121.213)

Have a look what the booklet for
CIELCh(31, 44.417, 121.213)
contains.

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Color

CIELCh(31, 44.340, 120.883)

Conversions

Conversions Part 1

Format	Color
Hex	355101
RGB	53, 81, 1
RGB Percent	21%, 32%, 0%
CMY	0.7920, 0.6822, 0.9959
CMYK	0.35, 0.00, 0.99, 0.68
HSL	81°, 97%, 16%
HSV	81°, 99%, 32%
XYZ	4.4217, 6.6515, 1.0807
YIQ	63.5080, 8.9920, -30.8160

Conversions

Conversions Part 2

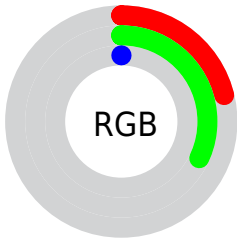
Format	Color
R_{YB}	1, 81, 29
Decimal	3494145
CIE _{Lab}	31.00, -22.76, 38.05
CIE _{LCh}	31, 44.340, 120.883
Yxy	6.6515, 0.3638, 0.5473
Android (android.graphics.Color)	4281684225 (0xFF355101)
YUV	63.5080, -30.8164, -9.2155
Hunter-Lab	25.7905, -14.5298, 15.5689

Details

The CIELCh color **31, 44.340, 120.883** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **8, 54.648, 309.799**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 44.588, 121.142**, and **11, 26.856, 143.520** is the 20% darker color. If you saturate the color by 10%, you get **31, 44.764, 120.880**, and if you desaturate by 10%, it is **31, 41.261, 120.745**.

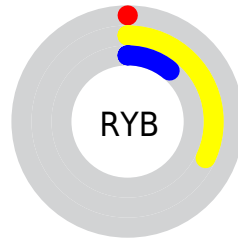
Distribution



Red (21%)

Green (32%)

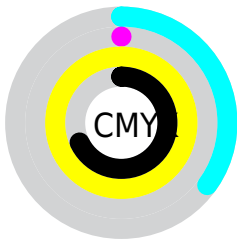
Blue (0%)



Red (0%)

Yellow (32%)

Blue (11%)

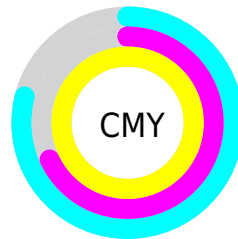


Cyan (35%)

Magenta (0%)

Yellow (99%)

Black (68%)



Cyan (79%)

Magenta (68%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 44.340, 120.883 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 31, 44.340, 120.883 by changing the saturation by 10% instead.


 31, 44.340,
120.883

 31, 44.340,
120.883

 100, 44.340,
120.883

 21, 44.340,
120.883

 51, 44.340,
120.883


 11, 44.340,
120.883

 61, 44.340,
120.883

 1, 44.340, 120.883

 71, 44.340,
120.883

 0, 44.340, 120.883

 81, 44.340,
120.883

 91, 44.340,
120.883

■ 31, 44.340,
120.883

■ 31, 44.340,
120.883

■ 31, 44.764,
120.880

■ 31, 41.261,
120.745

■ 31, 38.056,
120.557

■ 32, 34.161,
120.641

■ 32, 29.762,
120.916

■ 32, 25.019,
121.309

■ 33, 20.053,
121.770

■ 33, 14.949,
122.263

■ 34, 9.767, 122.764

Harmonies

Complementary

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



31, 44.340, 120.883



8, 54.648, 309.799

Rectangle

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



31, 44.340, 120.883



31, 44.340, 170.883



31, 44.340, 300.883



31, 44.340, 350.883

Sweetspot

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



31, 44.340, 120.884



43, 19.261, 122.147



19, 35.456, 49.896



21, 13.232, 122.027



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 44.340, 120.884



40, 53.604, 121.391



29, 50.568, 134.528



16, 2.934, 123.259



84, 96.844, 122.434

Inverse Universe

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



8, 54.648, 309.799



12, 66.390, 309.577



15, 50.398, 322.947



15, 2.979, 304.089



33, 120.045, 308.892

Previews

White Background



This preview shows how the CIELCh color 31, 44.340, 120.883 looks on a white background.

Color Contrast Check

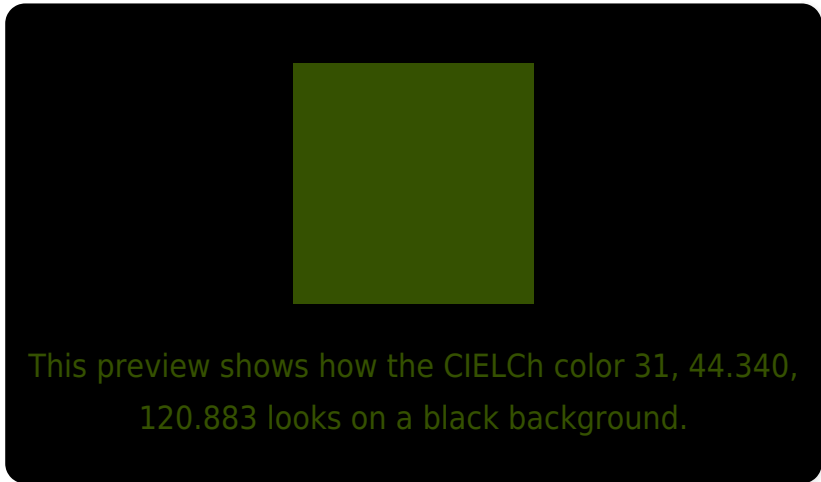
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

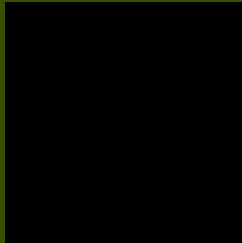
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 44.340, 120.883

Background



This preview shows how black text looks on a background with the CIELCh color 31, 44.340, 120.883.



This preview shows how white text looks on a background with the CIELCh color 31, 44.340, 120.883.

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

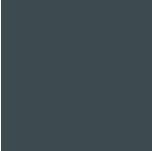
31, 44.340, 120.883

Protanopia

31, 39.594, 95.931

Deuteranopia

31, 34.002, 83.018



Tritanopia
31, 6.718, 233.590

Trichromacy



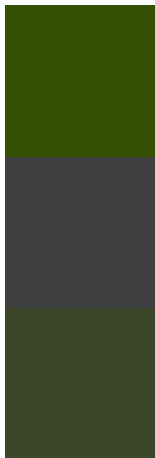
Original Color
31, 44.340, 120.883

Protanomaly
31, 40.477, 106.533

Deuteranomaly
30, 35.273, 99.315

Tritanomaly
31, 18.024, 136.130

Monochromacy



Original Color
31, 44.340, 120.883

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 18.956, 121.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 44.340, 120.883 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(53, 81, 1)` looks like.

```
.text, #text, p{  
    color:rgb(53, 81, 1)  
}
```

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(53, 81, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 81, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 44.340, 120.883 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(53, 81, 1) }
```

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

```
.border{ border-color:rgb(53, 81, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 81, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 81, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(53, 81, 1); box-shadow:4px  
4px 4px 4px rgb(53, 81, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 44.340, 120.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 81, 1) }
```

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

```
.background{ background-color: rgb(53, 81,  
1) }
```

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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