

Converting Colors

CIELCh(31, 55.820, 95.979)

Have a look what the booklet for
CIELCh(31, 55.820, 95.979) contains.

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Color

CIELCh(31, 39.950, 96.010)

Conversions

Conversions Part 1

Format	Color
Hex	524A00
RGB	82, 74, 0
RGB Percent	32%, 29%, 0%
CMY	0.6765, 0.7116, 1.0000
CMYK	0.00, 0.11, 1.00, 0.68
HSL	53°, 100%, 16%
HSV	53°, 100%, 32%
XYZ	5.9385, 6.6515, 0.9591
YIQ	67.9560, 28.5220, -21.3180

Conversions

Conversions Part 2

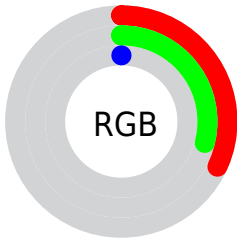
Format	Color
RYB	9, 82, 0
Decimal	5392896
CIELab	31.00, -4.18, 39.73
CIELCh	31, 39.950, 96.010
Yxy	6.6515, 0.4383, 0.4909
Android (android.graphics.Color)	4283582976 (0xFF524A00)
YUV	67.9560, -33.5023, 12.3166
Hunter-Lab	25.7905, -4.0322, 15.8486

Details

The CIELCh color **31, 39.950, 96.010** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **7, 52.560, 303.010**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 39.919, 96.818**, and **11, 17.192, 103.394** is the 20% darker color. If you saturate the color by 10%, you get **31, 39.784, 96.015**, and if you desaturate by 10%, it is **31, 36.994, 96.821**.

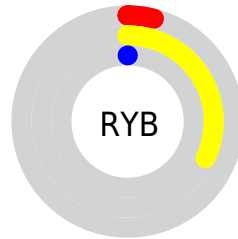
Distribution



Red (32%)

Green (29%)

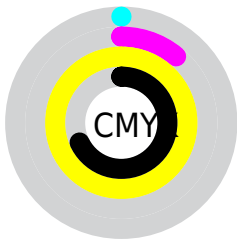
Blue (0%)



Red (4%)

Yellow (32%)

Blue (0%)

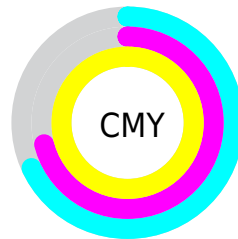


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (68%)



Cyan (68%)

Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 39.950, 96.010 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, 39.950, 96.010 by changing the saturation by 10% instead.

31, 39.950, 96.010

31, 39.950, 96.010

100, 39.950,
96.010

21, 39.950, 96.010

51, 39.950, 96.010

11, 39.950, 96.010

61, 39.950, 96.010

1, 39.950, 96.010

71, 39.950, 96.010

0, 39.950, 96.010

81, 39.950, 96.010

91, 39.950, 96.010

31, 39.950, 96.010

31, 39.950, 96.010

31, 39.784, 96.015

31, 36.994, 96.821

■ 32, 34.272, 97.669

■ 32, 30.855, 98.568

■ 32, 26.941, 99.511

■ 33, 22.712,
100.484

■ 33, 18.293,
101.474

■ 34, 13.767,
102.468

■ 34, 9.189, 103.456

■ 35, 4.591, 104.425

Harmonies

Complementary

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



31, 39.950, 96.010



7, 52.560, 303.010

Rectangle

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



31, 39.950, 96.010



31, 39.950, 146.010



31, 39.950, 276.010



31, 39.950, 326.010

Sweetspot

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



31, 39.784, 96.015



43, 17.077, 102.365



15, 40.286, 27.908



21, 11.507, 102.133



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, 39.784, 96.015



40, 47.605, 95.755



31, 45.764, 122.317



16, 2.542, 104.548



39, 46.811, 95.777



83, 83.567, 95.234

Inverse Universe

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



7, 52.560, 303.010



11, 64.791, 303.835



8, 55.744, 310.481



15, 2.581, 286.278



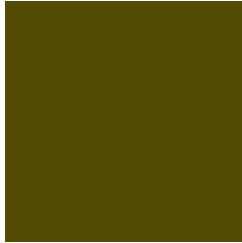
11, 63.564, 303.774



31, 119.115, 305.036

Previews

White Background



This preview shows how the CIELCh color 31, 39.950, 96.010 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



This preview shows how the CIE LCh color 31, 39.950, 96.010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

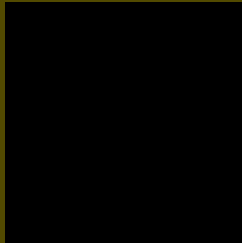
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 39.950, 96.010

Background



This preview shows how black text looks on a background with the CIELCh color 31, 39.950, 96.010.



This preview shows how white text looks on a background with the CIELCh color 31, 39.950, 96.010.

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, 39.884, 96.766

Protanopia

31, 39.669, 95.169

Deuteranopia

31, 36.834, 83.194



Tritanopia
31, 9.282, 356.893

Trichromacy



Original Color
31, 39.884, 96.766

Protanomaly
31, 39.669, 95.169

Deuteranomaly
31, 37.558, 88.515

Tritanomaly
31, 16.477, 80.465

Monochromacy



Original Color
31, 39.884, 96.766

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 17.111, 101.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 39.950, 96.010 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(82, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(82, 74, 0)  
}
```

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(82, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 74, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 39.950, 96.010 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(82, 74, 0) }
```

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

```
.border{ border-color:rgb(82, 74, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 74, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 74, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(82, 74, 0); box-shadow:4px  
4px 4px 4px rgb(82, 74, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 39.950, 96.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 74, 0) }
```

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

```
.background{ background-color: rgb(82, 74,  
0) }
```

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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