

Converting Colors

CIELCh(31, 39.532, 136.318)

Have a look what the booklet for
CIELCh(31, 39.532, 136.318)
contains.

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Color

CIELCh(31, 39.501, 136.404)

Conversions

Conversions Part 1

Format	Color
Hex	23531B
RGB	35, 83, 27
RGB Percent	14%, 33%, 11%
CMY	0.8621, 0.6739, 0.8935
CMYK	0.58, 0.00, 0.67, 0.67
HSL	111°, 51%, 22%
HSV	111°, 67%, 33%
XYZ	4.0042, 6.6515, 2.1189
YIQ	62.2640, -10.6320, -27.5920

Conversions

Conversions Part 2

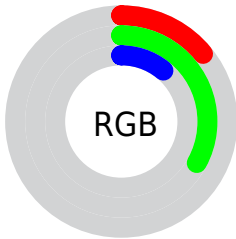
Format	Color
R_{YB}	27, 83, 75
Decimal	2315035
CIE _{Lab}	31.00, -28.61, 27.24
CIE _{LCh}	31, 39.501, 136.404
Yxy	6.6515, 0.3135, 0.5207
Android (android.graphics.Color)	4280505115 (0xFF23531B)
YUV	62.2640, -17.3852, -23.9105
Hunter-Lab	25.7905, -17.4196, 13.1821

Details

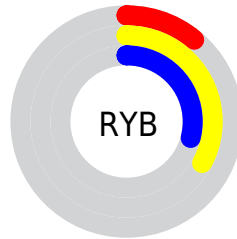
The CIELCh color **31, 39.501, 136.404** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **20, 39.842, 323.013**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 39.490, 136.338**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **31, 44.098, 135.784**, and if you desaturate by 10%, it is **31, 34.291, 137.105**.

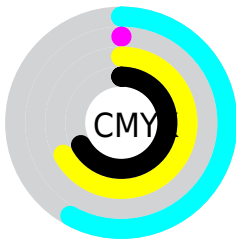
Distribution



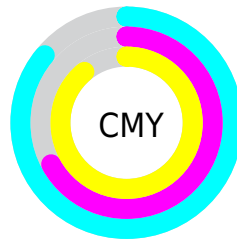
- Red (14%)
- Green (33%)
- Blue (11%)



- Red (11%)
- Yellow (33%)
- Blue (29%)



- Cyan (58%)
- Magenta (0%)
- Yellow (67%)
- Black (67%)





- Cyan (86%)
- Magenta (67%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 39.501, 136.404 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, 39.501, 136.404 by changing the saturation by 10% instead.


 31, 39.501,
136.404


 31, 39.501,
136.404

 100, 39.501,
136.404


 21, 39.501,
136.404

 51, 39.501,
136.404


 11, 39.501,
136.404


 61, 39.501,
136.404

 1, 39.501, 136.404

 71, 39.501,
136.404

 0, 39.501, 136.404

 81, 39.501,
136.404

 91, 39.501,
136.404

■ 31, 39.501,
136.404

■ 31, 39.501,
136.404

■ 31, 44.098,
135.784

■ 31, 34.291,
137.105

■ 30, 47.863,
135.338

■ 32, 28.657,
137.816

■ 30, 51.109,
134.767

■ 33, 22.750,
138.494

■ 30, 51.987,
134.517

■ 33, 16.691,
139.118

■ 34, 10.569,
139.680

■ 35, 4.455, 140.188

■ 36, 1.602, 320.517

■ 37, 7.563, 320.949

■ 38, 13.404,
321.278

Harmonies

Complementary

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



31, 39.501, 136.404



20, 39.842, 323.013

Rectangle

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



31, 39.501, 136.404



31, 39.501, 186.404



31, 39.501, 316.404



31, 39.501, 6.404

Sweetspot

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



31, 39.501, 136.405



43, 15.028, 139.500



32, 29.087, 96.292



21, 10.137, 139.414



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, 39.501, 136.405



39, 55.573, 135.474



31, 31.969, 149.849



16, 3.337, 140.121



38, 61.180, 134.800



81, 110.500, 135.336

Inverse Universe

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



20, 39.842, 323.013



24, 55.625, 323.195



20, 32.143, 341.940



15, 3.351, 320.828



21, 60.638, 323.018



49, 108.864, 322.670

Previews

White Background



This preview shows how the CIELCh color 31, 39.501, 136.404 looks on a white background.

Color Contrast Check

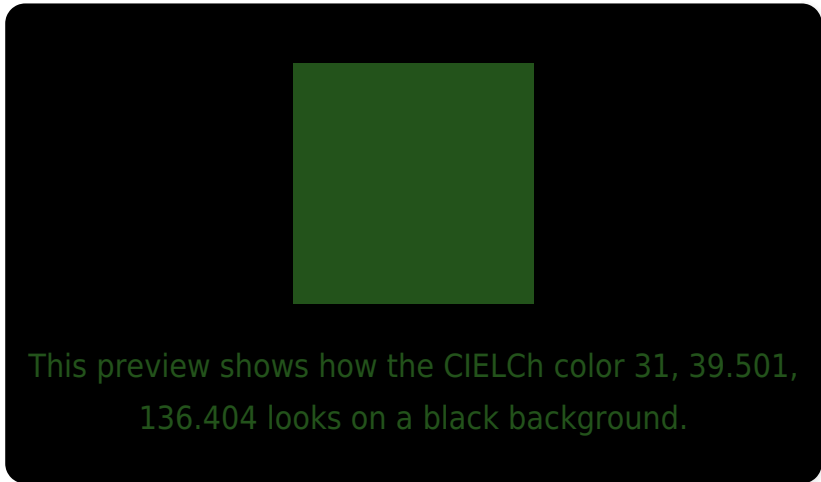
Large Text (above 18pt) WCAG AA ✓ Pass

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

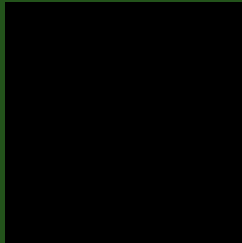
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 39.501, 136.404

Background



This preview shows how black text looks on a background with the CIELCh color 31, 39.501, 136.404.



This preview shows how white text looks on a background with the CIELCh color 31, 39.501, 136.404.

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, 39.501, 136.404

Protanopia

31, 29.795, 96.616

Deuteranopia

31, 25.774, 80.668



Tritanopia
31, 12.015, 216.564

Trichromacy



Original Color
31, 39.501, 136.404

Protanomaly
31, 31.636, 116.395

Deuteranomaly
30, 26.879, 109.477

Tritanomaly
31, 18.793, 161.614

Monochromacy



Original Color
31, 39.501, 136.404

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 15.866, 139.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 39.501, 136.404 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(35, 83, 27)` looks like.

```
.text, #text, p{  
    color:rgb(35, 83, 27)  
}
```

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(35, 83, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 83, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 39.501, 136.404 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(35, 83, 27) }
```

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

```
.border{ border-color:rgb(35, 83, 27) }
```

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

Here you see how a box with a 4 pixel rgb(35, 83, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 83, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 83, 27);  
box-shadow:4px 4px 4px 4px rgb(35, 83, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 39.501, 136.404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 83, 27) }
```

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

```
.background{ background-color: rgb(35, 83,  
27) }
```

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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