

Converting Colors

CIELCh(31, 51.752, 133.527)

Have a look what the booklet for
CIELCh(31, 51.752, 133.527)
contains.

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Color

CIELCh(31, 51.630, 133.490)

Conversions

Conversions Part 1

Format	Color
Hex	145501
RGB	20, 85, 1
RGB Percent	8%, 33%, 0%
CMY	0.9215, 0.6666, 0.9960
CMYK	0.76, 0.00, 0.99, 0.67
HSL	106°, 98%, 17%
HSV	106°, 99%, 33%
XYZ	3.5448, 6.6515, 1.1263
YIQ	55.9890, -11.7760, -39.9040

Conversions

Conversions Part 2

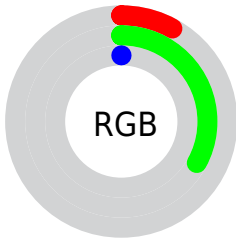
Format	Color
R_{YB}	1, 85, 66
Decimal	1332481
CIE _{Lab}	31.00, -35.53, 37.46
CIE _{LCh}	31, 51.630, 133.490
Yxy	6.6515, 0.3131, 0.5875
Android (android.graphics.Color)	4279522561 (0xFF145501)
YUV	55.9890, -27.1096, -31.5624
Hunter-Lab	25.7905, -20.5993, 15.4641

Details

The CIELCh color **31, 51.630, 133.490** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **15, 52.588, 320.391**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 51.971, 133.360**, and **13, 29.984, 142.357** is the 20% darker color. If you saturate the color by 10%, you get **31, 52.044, 133.410**, and if you desaturate by 10%, it is **31, 48.274, 133.853**.

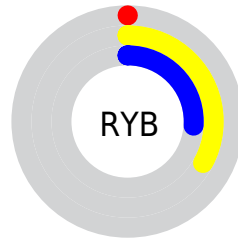
Distribution



Red (8%)

Green (33%)

Blue (0%)



Red (0%)

Yellow (33%)

Blue (26%)

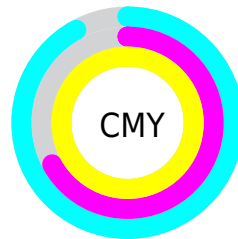


Cyan (76%)

Magenta (0%)

Yellow (99%)

Black (67%)



Cyan (92%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 51.630, 133.490 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, 51.630, 133.490 by changing the saturation by 10% instead.


 31, 51.630,
133.490


 31, 51.630,
133.490

 100, 51.630,
133.490


 21, 51.630,
133.490

 51, 51.630,
133.490


 11, 51.630,
133.490


 61, 51.630,
133.490

 1, 51.630, 133.490

 71, 51.630,
133.490

 0, 51.630, 133.490

 81, 51.630,
133.490

 91, 51.630,
133.490

■ 31, 51.630,
133.490

■ 31, 51.630,
133.490

■ 31, 52.044,
133.410

■ 31, 48.274,
133.853

■ 32, 44.560,
134.035

■ 32, 40.015,
134.442

■ 32, 34.859,
134.976

■ 33, 29.282,
135.560

■ 33, 23.437,
136.144

■ 34, 17.437,
136.700

■ 35, 11.370,

137.212

■ 35, 5.300, 137.680

Harmonies

Complementary

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



31, 51.630, 133.490



15, 52.588, 320.391

Rectangle

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



31, 51.630, 133.490



31, 51.630, 183.490



31, 51.630, 313.490



31, 51.630, 3.490

Sweetspot

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



31, 51.630, 133.491



44, 22.404, 136.582



29, 37.676, 86.637



22, 15.401, 136.441



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



31, 51.630, 133.491



40, 62.464, 133.798



31, 46.522, 142.003



17, 3.426, 137.680



39, 61.407, 133.767



82, 110.153, 134.474

Inverse Universe

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



15, 52.588, 320.391



20, 63.395, 320.152



17, 42.770, 340.985



16, 3.446, 318.347



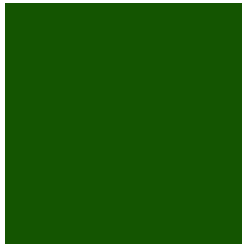
20, 62.341, 320.172



47, 111.072, 319.676

Previews

White Background



This preview shows how the CIELCh color 31, 51.630, 133.490 looks on a white background.

Color Contrast Check

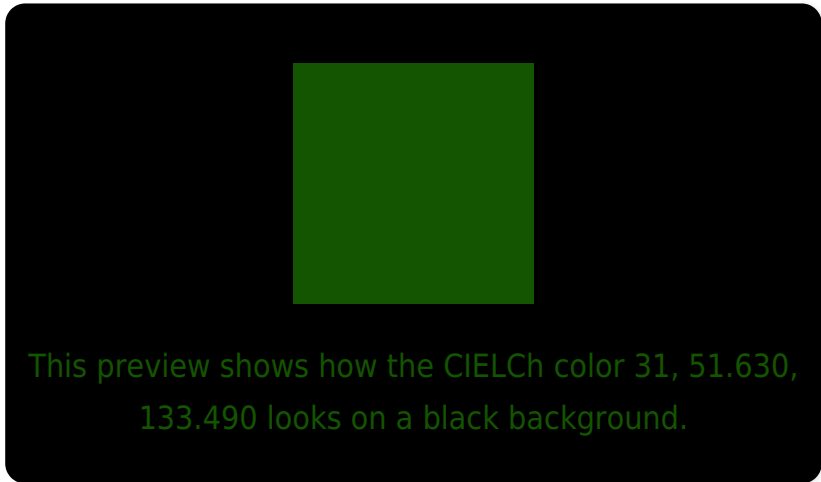
Large Text (above 18pt) WCAG AA ✓ Pass

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

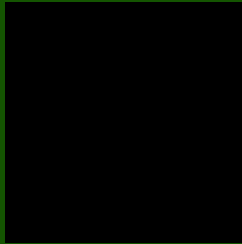
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 51.630, 133.490

Background



This preview shows how black text looks on a background with the CIELCh color 31, 51.630, 133.490.



This preview shows how white text looks on a background with the CIELCh color 31, 51.630, 133.490.

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

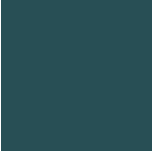
31, 51.630, 133.490

Protanopia

31, 39.594, 95.931

Deuteranopia

31, 33.147, 82.667



Tritanopia
31, 14.249, 213.248

Trichromacy



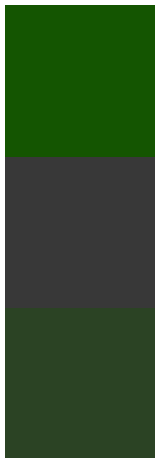
Original Color
31, 51.630, 133.490

Protanomaly
30, 41.923, 115.401

Deuteranomaly
30, 35.984, 110.983

Tritanomaly
31, 25.987, 154.770

Monochromacy



Original Color
31, 51.630, 133.490

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 22.857, 135.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 51.630, 133.490 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(20, 85, 1)` looks like.

```
.text, #text, p{  
    color:rgb(20, 85, 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(20, 85, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 85, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 51.630, 133.490 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(20, 85, 1) }
```

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

```
.border{ border-color:rgb(20, 85, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 85, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 85, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(20, 85, 1); box-shadow:4px  
4px 4px 4px rgb(20, 85, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 51.630, 133.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 85, 1) }
```

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

```
.background{ background-color: rgb(20, 85,  
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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