

Converting Colors

CIELCh(31, 44.179, 138.221)

Have a look what the booklet for
CIELCh(31, 44.179, 138.221)
contains.

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Color

CIELCh(31, 44.156, 138.149)

Conversions

Conversions Part 1

Format	Color
Hex	185416
RGB	24, 84, 22
RGB Percent	9%, 33%, 9%
CMY	0.9078, 0.6690, 0.9122
CMYK	0.72, 0.00, 0.73, 0.67
HSL	119°, 58%, 21%
HSV	119°, 73%, 33%
XYZ	3.7157, 6.6515, 1.8671
YIQ	58.9920, -15.8580, -32.0020

Conversions

Conversions Part 2

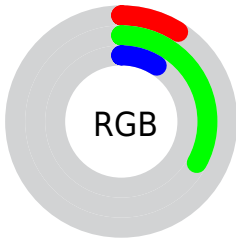
Format	Color
R_{YB}	22, 84, 82
Decimal	1594390
CIE Lab	31.00, -32.89, 29.46
CIE LCh	31, 44.156, 138.149
Yxy	6.6515, 0.3037, 0.5437
Android (android.graphics.Color)	4279784470 (0xFF185416)
YUV	58.9920, -18.2371, -30.6880
Hunter-Lab	25.7905, -19.4167, 13.7612

Details

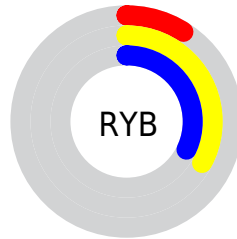
The CIELCh color **31, 44.156, 138.149** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **20, 43.558, 327.112**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 43.570, 138.015**, and **12, 29.257, 142.684** is the 20% darker color. If you saturate the color by 10%, you get **31, 48.188, 137.248**, and if you desaturate by 10%, it is **31, 39.267, 139.136**.

Distribution



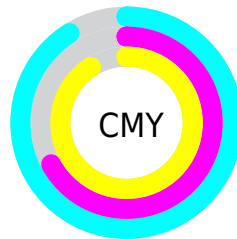
- Red (9%)
- Green (33%)
- Blue (9%)



- Red (9%)
- Yellow (33%)
- Blue (32%)



- Cyan (72%)
- Magenta (0%)
- Yellow (73%)
- Black (67%)



- Cyan (91%)
- Magenta (67%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 44.156, 138.149 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, 44.156, 138.149 by changing the saturation by 10% instead.


 31, 44.156,
138.149


 31, 44.156,
138.149

 100, 44.156,
138.149

 21, 44.156,
138.149

 51, 44.156,
138.149


 11, 44.156,
138.149


 61, 44.156,
138.149

 1, 44.156, 138.149

 71, 44.156,
138.149

 0, 44.156, 138.149

 81, 44.156,
138.149

 91, 44.156,
138.149

■ 31, 44.156,
138.149

■ 31, 44.156,
138.149

■ 31, 48.188,
137.248

■ 31, 39.267,
139.136

■ 31, 51.335,
136.446

■ 32, 33.738,
140.118

■ 30, 53.451,
135.832

■ 32, 27.763,
141.039

■ 33, 21.504,
141.872

■ 34, 15.094,
142.609

■ 35, 8.635, 143.255

■ 36, 2.207, 143.853

■ 37, 4.132, 324.231

■ 38, 10.341,
324.657

Harmonies

Complementary

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



31, 44.156, 138.149



20, 43.558, 327.112

Rectangle

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



31, 44.156, 138.149



31, 44.156, 188.149



31, 44.156, 318.149



31, 44.156, 8.149

Sweetspot

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



31, 44.156, 138.150



44, 17.558, 142.659



34, 34.662, 102.430



22, 11.894, 142.555



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, 44.156, 138.150



40, 60.646, 136.693



31, 31.454, 154.027



17, 3.657, 143.531



39, 63.137, 135.874



81, 112.370, 135.961

Inverse Universe

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



20, 43.558, 327.112



26, 59.094, 327.440



19, 32.537, 349.845



16, 3.665, 324.370



24, 61.081, 327.557



55, 108.587, 327.512

Previews

White Background



This preview shows how the CIELCh color 31, 44.156, 138.149 looks on a white background.

Color Contrast Check

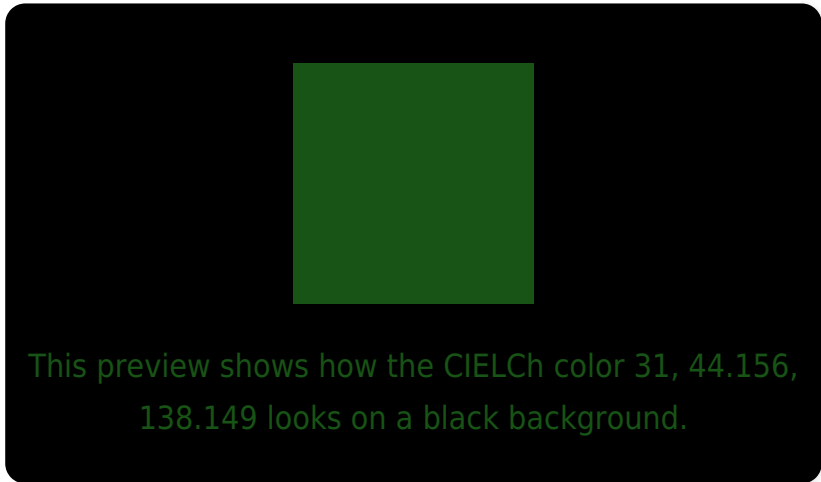
Large Text (above 18pt) WCAG AA ✓ Pass

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

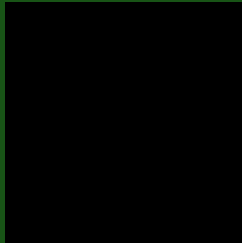
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 44.156, 138.149

Background



This preview shows how black text looks on a background with the CIELCh color 31, 44.156, 138.149.



This preview shows how white text looks on a background with the CIELCh color 31, 44.156, 138.149.

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, 44.008, 137.908

Protanopia

31, 32.273, 95.799

Deuteranopia

31, 28.116, 81.088



Tritanopia
31, 13.984, 213.585

Trichromacy



Original Color
31, 44.008, 137.908

Protanomaly
30, 34.310, 117.606

Deuteranomaly
30, 29.793, 113.483

Tritanomaly
31, 21.976, 162.953

Monochromacy



Original Color
31, 44.008, 137.908

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 17.480, 142.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 44.156, 138.149 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(24, 84, 22)` looks like.

```
.text, #text, p{  
    color:rgb(24, 84, 22)  
}
```

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(24, 84, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 84, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 44.156, 138.149 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(24, 84, 22) }
```

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

```
.border{ border-color:rgb(24, 84, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 84, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 84, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 84, 22);  
box-shadow:4px 4px 4px 4px rgb(24, 84, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 44.156, 138.149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 84, 22) }
```

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

```
.background{ background-color: rgb(24, 84,  
22) }
```

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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