

Converting Colors

CIELCh(31, 31.838, 143.865)

Have a look what the booklet for
CIELCh(31, 31.838, 143.865)
contains.

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Color

CIELCh(31, 31.716, 143.758)

Conversions

Conversions Part 1

Format	Color
Hex	24522A
RGB	36, 82, 42
RGB Percent	14%, 32%, 16%
CMY	0.8571, 0.6768, 0.8338
CMYK	0.56, 0.00, 0.49, 0.68
HSL	128°, 39%, 23%
HSV	128°, 56%, 32%
XYZ	4.2169, 6.6515, 3.2885
YIQ	63.6860, -14.5760, -22.1920

Conversions

Conversions Part 2

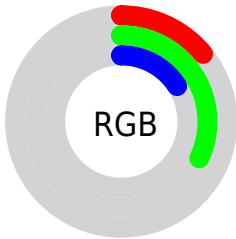
Format	Color
RYB	36, 77, 82
Decimal	2380330
CIELab	31.00, -25.58, 18.75
CIElCh	31, 31.716, 143.758
Yxy	6.6515, 0.2979, 0.4698
Android (android.graphics.Color)	4280570410 (0xFF24522A)
YUV	63.6860, -10.6912, -24.2806
Hunter-Lab	25.7905, -15.9474, 10.4933

Details

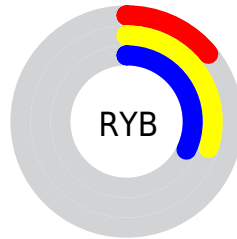
The CIELCh color **31, 31.716, 143.758** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **22, 31.521, 331.251**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 31.787, 143.666**, and **11, 27.694, 143.266** is the 20% darker color. If you saturate the color by 10%, you get **31, 36.724, 142.588**, and if you desaturate by 10%, it is **32, 26.344, 144.811**.

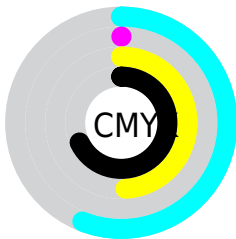
Distribution



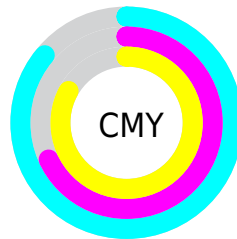
- Red (14%)
- Green (32%)
- Blue (16%)



- Red (14%)
- Yellow (30%)
- Blue (32%)



- Cyan (56%)
- Magenta (0%)
- Yellow (49%)
- Black (68%)





- Cyan (86%)
- Magenta (68%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 31.716, 143.758 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, 31.716, 143.758 by changing the saturation by 10% instead.


 31, 31.716,
143.758


 31, 31.716,
143.758

 100, 31.716,
143.758


 21, 31.716,
143.758

 51, 31.716,
143.758


 11, 31.716,
143.758


 61, 31.716,
143.758

 1, 31.716, 143.758

 71, 31.716,
143.758

 0, 31.716, 143.758

 81, 31.716,
143.758

 91, 31.716,
143.758

■ 31, 31.716,
143.758

■ 31, 31.716,
143.758

■ 31, 36.724,
142.588

■ 32, 26.344,
144.811

■ 30, 41.238,
141.322

■ 32, 20.724,
145.742

■ 30, 45.129,
140.005

■ 33, 14.960,
146.557

■ 30, 48.380,
138.868

■ 34, 9.140, 147.270

■ 30, 49.595,
138.555

■ 35, 3.335, 147.913

■ 35, 2.403, 328.335

■ 36, 8.035, 328.843

■ 38, 13.533,
329.256

■ 39, 18.880,

329.614

Harmonies

Complementary

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



31, 31.716, 143.758



22, 31.521, 331.251

Rectangle

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



31, 31.716, 143.758



31, 31.716, 193.758



31, 31.716, 323.758



31, 31.716, 13.758

Sweetspot

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



31, 31.716, 143.758



43, 12.218, 147.149



34, 27.770, 110.840



21, 8.079, 147.084



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, 31.716, 143.758



40, 46.049, 142.151



31, 21.387, 164.870



16, 3.194, 147.728



38, 59.216, 138.048



81, 108.578, 137.123

Inverse Universe

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



22, 31.521, 331.251



27, 45.175, 331.989



21, 23.741, 356.857



15, 3.201, 328.620



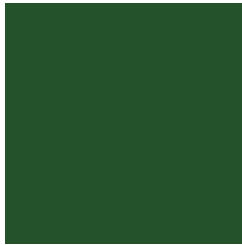
23, 54.499, 333.815



53, 97.089, 334.261

Previews

White Background



This preview shows how the CIELCh color 31, 31.716, 143.758 looks on a white background.

Color Contrast Check

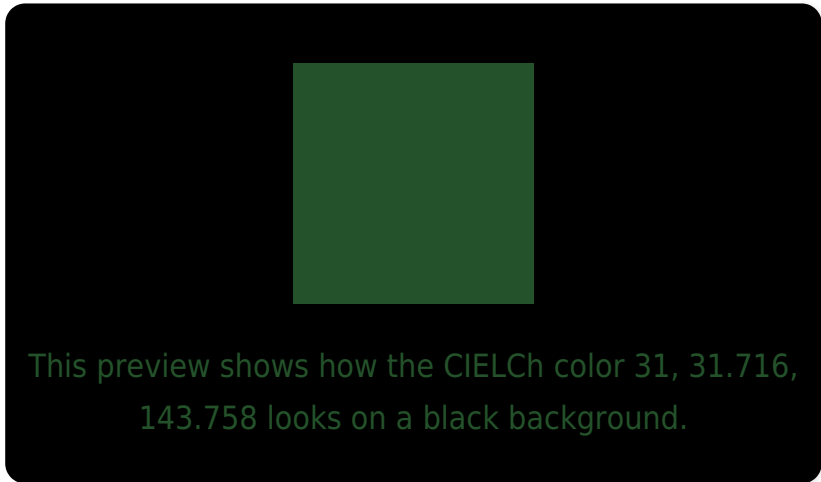
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.716, 143.758

Background



This preview shows how black text looks on a background with the CIELCh color 31, 31.716, 143.758.



This preview shows how white text looks on a background with the CIELCh color 31, 31.716, 143.758.

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, 31.716, 143.758

Protanopia

31, 21.470, 96.743

Deuteranopia

31, 17.600, 74.647



Tritanopia
31, 12.015, 216.564

Trichromacy



Original Color
31, 31.716, 143.758

Protanomaly
30, 23.027, 120.717

Deuteranomaly
30, 18.300, 114.410

Tritanomaly
31, 16.467, 171.784

Monochromacy



Original Color
31, 31.716, 143.758

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 12.366, 146.375

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 31.716, 143.758 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(36, 82, 42)` looks like.

```
.text, #text, p{  
    color:rgb(36, 82, 42)  
}
```

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(36, 82, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 82, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 31.716, 143.758 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(36, 82, 42) }
```

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

```
.border{ border-color:rgb(36, 82, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 82, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 82, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 82, 42);  
box-shadow:4px 4px 4px 4px rgb(36, 82, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 31.716, 143.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 82, 42) }
```

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

```
.background{ background-color: rgb(36, 82,  
42) }
```

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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