

Converting Colors

CIELCh(31, 32.783, 149.483)

Have a look what the booklet for
CIELCh(31, 32.783, 149.483)
contains.

CIELCh(31, 32.430, 149.696)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(31, 32.430, 149.696)

Conversions

Conversions Part 1

Format	Color
Hex	1A532E
RGB	26, 83, 46
RGB Percent	10%, 33%, 18%
CMY	0.8968, 0.6734, 0.8186
CMYK	0.68, 0.00, 0.44, 0.67
HSL	141°, 52%, 21%
HSV	141°, 68%, 33%
XYZ	4.0464, 6.6515, 3.6812
YIQ	61.7390, -22.0950, -23.5910

Conversions

Conversions Part 2

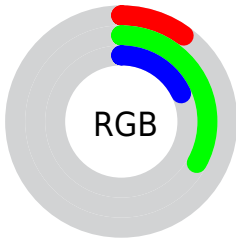
Format	Color
RYB	26, 68, 83
Decimal	1725230
CIELab	31.00, -28.00, 16.36
CIELCh	31, 32.430, 149.696
Yxy	6.6515, 0.2814, 0.4626
Android (android.graphics.Color)	4279915310 (0xFF1A532E)
YUV	61.7390, -7.7593, -31.3431
Hunter-Lab	25.7905, -17.1277, 9.5905

Details

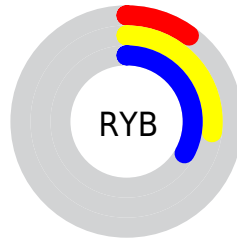
The CIELCh color **31, 32.430, 149.696** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **20, 32.562, 342.063**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 32.463, 149.518**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **31, 36.276, 148.169**, and if you desaturate by 10%, it is **31, 28.217, 151.059**.

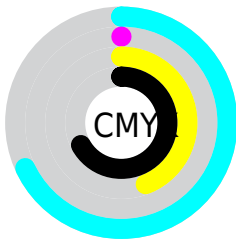
Distribution



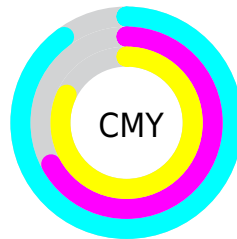
- Red (10%)
- Green (33%)
- Blue (18%)



- Red (10%)
- Yellow (27%)
- Blue (33%)



- Cyan (68%)
- Magenta (0%)
- Yellow (44%)
- Black (67%)





- Cyan (90%)
- Magenta (67%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 32.430, 149.696 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, 32.430, 149.696 by changing the saturation by 10% instead.


 31, 32.430,
149.696


 31, 32.430,
149.696

 100, 32.430,
149.696


 21, 32.430,
149.696

 51, 32.430,
149.696


 11, 32.430,
149.696


 61, 32.430,
149.696

 1, 32.430, 149.696

 71, 32.430,
149.696

 0, 32.430, 149.696

 81, 32.430,
149.696

 91, 32.430,
149.696

■ 31, 32.430,
149.696

■ 31, 32.430,
149.696

■ 31, 36.276,
148.169

■ 31, 28.217,
151.059

■ 30, 39.701,
146.482

■ 32, 23.706,
152.267

■ 30, 42.877,
144.929

■ 32, 18.974,
153.332

■ 30, 43.375,
144.713

■ 33, 14.094,
154.273

■ 34, 9.135, 155.109

■ 35, 4.157, 155.869

■ 36, 0.792, 336.241

■ 37, 5.675, 337.036

■ 38, 10.466,

Harmonies

Complementary

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



31, 32.430, 149.696



20, 32.562, 342.063

Rectangle

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



31, 32.430, 149.696



31, 32.430, 199.696



31, 32.430, 329.696



31, 32.430, 19.696

Sweetspot

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



31, 32.430, 149.696



43, 12.837, 154.844



33, 34.650, 119.950



21, 8.587, 154.724



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, 32.430, 149.696



39, 45.862, 147.121



32, 20.992, 179.681



16, 2.720, 155.847



38, 51.610, 144.006



81, 95.835, 142.454

Inverse Universe

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



20, 32.562, 342.063



24, 44.481, 344.225



19, 28.475, 16.012



15, 2.736, 336.903



22, 47.001, 347.313



51, 83.199, 349.145

Previews

White Background



This preview shows how the CIELCh color 31, 32.430, 149.696 looks on a white background.

Color Contrast Check

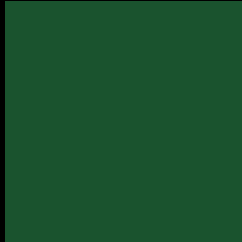
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 31, 32.430, 149.696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

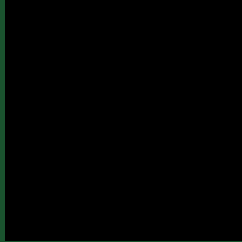
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 32.430, 149.696

Background



This preview shows how black text looks on a background with the CIELCh color 31, 32.430, 149.696.



This preview shows how white text looks on a background with the CIELCh color 31, 32.430, 149.696.

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

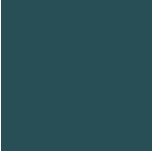
31, 32.430, 149.696

Protanopia

31, 19.703, 96.308

Deuteranopia

31, 15.341, 74.612



Tritanopia
31, 14.508, 212.928

Trichromacy



Original Color
31, 32.430, 149.696

Protanomaly
31, 22.071, 127.795

Deuteranomaly
30, 17.003, 123.334

Tritanomaly
31, 18.867, 176.882

Monochromacy



Original Color
31, 32.430, 149.696

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 13.050, 153.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 32.430, 149.696 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(26, 83, 46)` looks like.

```
.text, #text, p{  
    color:rgb(26, 83, 46)  
}
```

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(26, 83, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 83, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 32.430, 149.696 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(26, 83, 46) }
```

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

```
.border{ border-color:rgb(26, 83, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 83, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 83, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 83, 46);  
box-shadow:4px 4px 4px 4px rgb(26, 83, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 32.430, 149.696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 83, 46) }
```

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

```
.background{ background-color: rgb(26, 83,  
46) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor