

Converting Colors

CIELCh(31, 21.401, 142.212)

Have a look what the booklet for
CIELCh(31, 21.401, 142.212)
contains.

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Color

CIELCh(31, 21.623, 142.190)

Conversions

Conversions Part 1

Format	Color
Hex	345034
RGB	52, 80, 52
RGB Percent	20%, 31%, 20%
CMY	0.7974, 0.6877, 0.7974
CMYK	0.35, 0.00, 0.35, 0.69
HSL	120°, 21%, 26%
HSV	120°, 35%, 31%
XYZ	4.8538, 6.6515, 4.2379
YIQ	68.4360, -7.7000, -14.6440

Conversions

Conversions Part 2

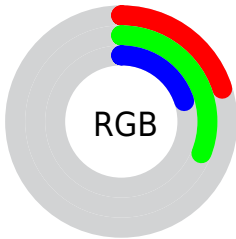
Format	Color
R_{YB}	52, 80, 80
Decimal	3428404
CIE _{Lab}	31.00, -17.08, 13.26
CIE _{LCh}	31, 21.623, 142.190
Yxy	6.6515, 0.3083, 0.4225
Android (android.graphics.Color)	4281618484 (0xFF345034)
YUV	68.4360, -8.1029, -14.4144
Hunter-Lab	25.7905, -11.5395, 8.3109

Details

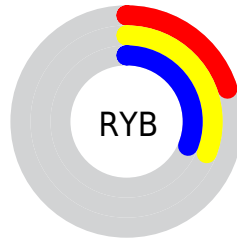
The CIELCh color **31, 21.623, 142.190** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 21.614, 326.172**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 21.108, 142.160**, and **11, 21.633, 142.017** is the 20% darker color. If you saturate the color by 10%, you get **30, 27.584, 141.323**, and if you desaturate by 10%, it is **32, 15.497, 142.958**.

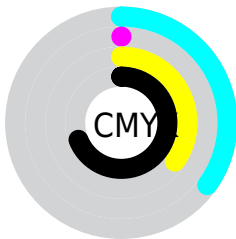
Distribution



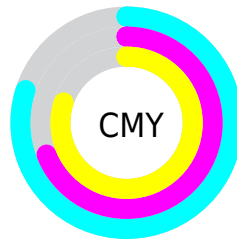
- Red (20%)
- Green (31%)
- Blue (20%)



- Red (20%)
- Yellow (31%)
- Blue (31%)



- Cyan (35%)
- Magenta (0%)
- Yellow (35%)
- Black (69%)





- Cyan (80%)
- Magenta (69%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 21.623, 142.190 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, 21.623, 142.190 by changing the saturation by 10% instead.


 31, 21.623,
142.190


 31, 21.623,
142.190

 100, 21.623,
142.190


 21, 21.623,
142.190

 51, 21.623,
142.190


 11, 21.623,
142.190


 61, 21.623,
142.190

 1, 21.623, 142.190

 71, 21.623,
142.190

 0, 21.623, 142.190

 81, 21.623,
142.190

 91, 21.623,
142.190

■ 31, 21.623,
142.190

■ 31, 21.623,
142.190

■ 30, 27.584,
141.323

■ 32, 15.497,
142.958

■ 30, 33.249,
140.363

■ 33, 9.309, 143.629

■ 29, 38.459,
139.341

■ 33, 3.140, 144.231

■ 34, 2.952, 324.637

■ 29, 43.028,
138.314

■ 35, 8.924, 325.091

■ 29, 46.752,
137.373

■ 37, 14.749,
325.460

■ 29, 49.864,
136.508

■ 38, 20.409,
325.774

■ 29, 51.492,
136.025

■ 39, 25.898,
326.045

■ 40, 31.212,

Harmonies

Complementary

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



31, 21.623, 142.190



26, 21.614, 326.172

Rectangle

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



31, 21.623, 142.190



31, 21.623, 192.190



31, 21.623, 322.190



31, 21.623, 12.190

Sweetspot

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



31, 21.624, 142.190



43, 8.453, 143.858



33, 17.321, 107.103



22, 5.728, 143.815



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, 21.624, 142.190



40, 32.186, 141.467



31, 14.893, 160.659



16, 3.493, 144.016



38, 62.183, 136.022



81, 111.525, 136.018

Inverse Universe

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



26, 21.614, 326.172



32, 32.125, 326.559



25, 15.485, 346.651



15, 3.499, 324.862



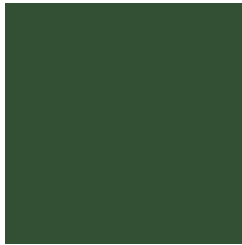
24, 59.988, 328.247



55, 107.577, 328.248

Previews

White Background



This preview shows how the CIELCh color 31, 21.623, 142.190 looks on a white background.

Color Contrast Check

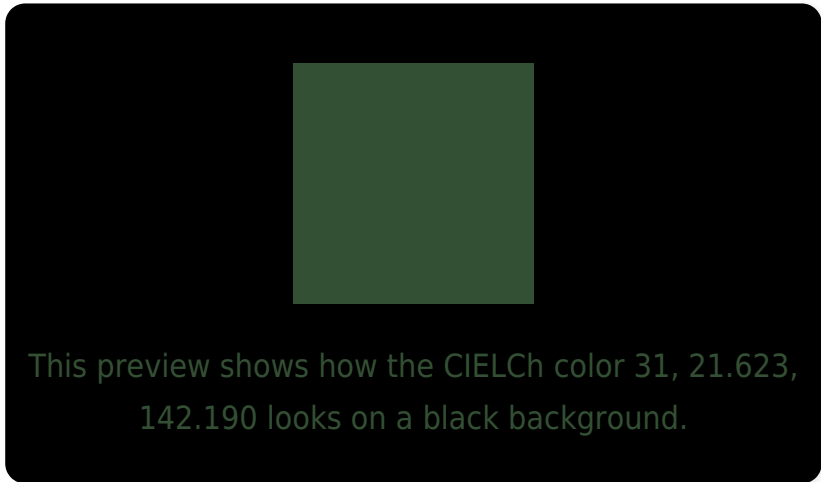
Large Text (above 18pt) WCAG AA ✓ Pass

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

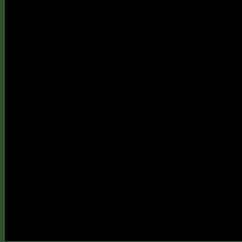
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 21.623, 142.190

Background



This preview shows how black text looks on a background with the CIELCh color 31, 21.623, 142.190.

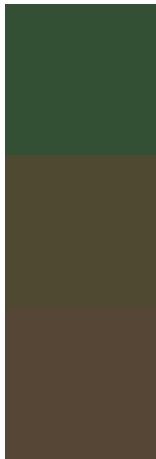


This preview shows how white text looks on a background with the CIELCh color 31, 21.623, 142.190.

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

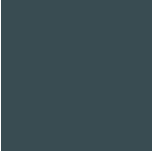
31, 21.623, 142.190

Protanopia

31, 15.394, 96.366

Deuteranopia

31, 12.902, 71.174



Tritanopia
31, 8.298, 226.041

Trichromacy



Original Color
31, 21.623, 142.190

Protanomaly
31, 15.940, 117.613

Deuteranomaly
31, 13.216, 107.719

Tritanomaly
31, 10.018, 175.403

Monochromacy



Original Color
31, 21.623, 142.190

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 7.849, 143.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 21.623, 142.190 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(52, 80, 52)` looks like.

```
.text, #text, p{  
    color:rgb(52, 80, 52)  
}
```

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(52, 80, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 80, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 21.623, 142.190 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(52, 80, 52) }
```

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

```
.border{ border-color:rgb(52, 80, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 80, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 80, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 80, 52);  
box-shadow:4px 4px 4px 4px rgb(52, 80, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 21.623, 142.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 80, 52) }
```

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

```
.background{ background-color: rgb(52, 80,  
52) }
```

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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