

Converting Colors

CIELCh(31, 34.604, 104.667)

Have a look what the booklet for
CIELCh(31, 34.604, 104.667)
contains.

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Color

CIELCh(31, 34.538, 104.720)

Conversions

Conversions Part 1

Format	Color
Hex	4B4C10
RGB	75, 76, 16
RGB Percent	29%, 30%, 6%
CMY	0.7070, 0.7030, 0.9384
CMYK	0.01, 0.00, 0.79, 0.70
HSL	61°, 66%, 18%
HSV	61°, 79%, 30%
XYZ	5.5355, 6.6515, 1.4707
YIQ	68.8610, 18.6640, -18.8720

Conversions

Conversions Part 2

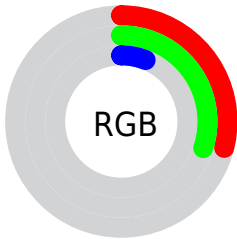
Format	Color
RYB	16, 76, 17
Decimal	4934672
CIELab	31.00, -8.78, 33.40
CIELCh	31, 34.538, 104.720
Yxy	6.6515, 0.4053, 0.4870
Android (android.graphics.Color)	4283124752 (0xFF4B4C10)
YUV	68.8610, -26.0605, 5.3839
Hunter-Lab	25.7905, -6.8212, 14.6724

Details

The CIELCh color **31, 34.538, 104.720** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **9, 43.397, 302.349**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 34.828, 104.901**, and **11, 18.073, 114.744** is the 20% darker color. If you saturate the color by 10%, you get **31, 37.289, 104.283**, and if you desaturate by 10%, it is **31, 31.136, 105.295**.

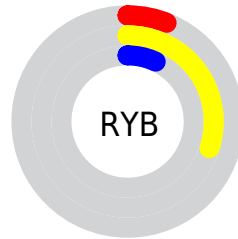
Distribution



Red (29%)

Green (30%)

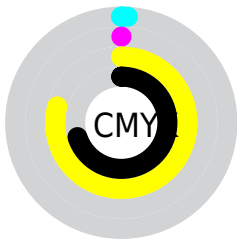
Blue (6%)



Red (6%)

Yellow (30%)

Blue (7%)

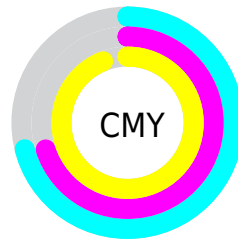


Cyan (1%)

Magenta (0%)

Yellow (79%)

Black (70%)



Cyan (71%)


Magenta (70%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 34.538, 104.720 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, 34.538, 104.720 by changing the saturation by 10% instead.


 31, 34.538,
104.720


 31, 34.538,
104.720

 100, 34.538,
104.720


 21, 34.538,
104.720

 51, 34.538,
104.720


 11, 34.538,
104.720


 61, 34.538,
104.720

 1, 34.538, 104.720

 71, 34.538,
104.720

 0, 34.538, 104.720

 81, 34.538,
104.720

 91, 34.538,
104.720

■ 31, 34.538,
104.720

■ 31, 34.538,
104.720

■ 31, 37.289,
104.283

■ 31, 31.136,
105.295

■ 31, 40.059,
103.843

■ 31, 27.231,
105.975

■ 31, 40.279,
103.808

■ 31, 22.982,
106.731

■ 31, 18.506,
107.538

■ 32, 13.887,
108.373

■ 32, 9.180, 109.220

■ 32, 4.424, 110.065

■ 32, 0.357, 290.989

Harmonies

Complementary

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



31, 34.538, 104.720



9, 43.397, 302.349

Rectangle

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



31, 34.538, 104.720



31, 34.538, 154.720



31, 34.538, 284.720



31, 34.538, 334.720

Sweetspot

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



31, 34.538, 104.722



42, 14.302, 108.740



15, 32.113, 30.890



21, 9.897, 108.568



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 34.538, 104.722



41, 47.276, 104.006



29, 37.953, 126.884



15, 2.687, 110.114



42, 49.464, 103.848



88, 89.516, 103.920

Inverse Universe

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



9, 43.397, 302.349



9, 63.810, 305.507



12, 42.053, 312.927



14, 2.739, 291.622



9, 68.170, 306.388



29, 123.491, 306.325

Previews

White Background



This preview shows how the CIELCh color 31, 34.538, 104.720 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, 34.538, 104.720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

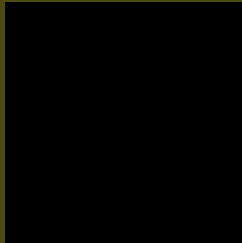
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 34.538, 104.720

Background



This preview shows how black text looks on a background with the CIELCh color 31, 34.538, 104.720.



This preview shows how white text looks on a background with the CIELCh color 31, 34.538, 104.720.

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, 34.538, 104.720

Protanopia

31, 33.999, 95.876

Deuteranopia

31, 32.705, 82.475



Tritanopia
31, 5.081, 341.545

Trichromacy



Original Color
31, 34.538, 104.720

Protanomaly
31, 34.176, 99.456

Deuteranomaly
31, 32.528, 90.096

Tritanomaly
31, 12.236, 96.634

Monochromacy



Original Color
31, 34.538, 104.720

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 13.301, 107.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 34.538, 104.720 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(75, 76, 16)` looks like.

```
.text, #text, p{  
    color:rgb(75, 76, 16)  
}
```

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(75, 76, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 76, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 34.538, 104.720 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(75, 76, 16) }
```

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

```
.border{ border-color:rgb(75, 76, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 76, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 76, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 76, 16);  
box-shadow:4px 4px 4px 4px rgb(75, 76, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 34.538, 104.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 76, 16) }
```

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

```
.background{ background-color: rgb(75, 76,  
16) }
```

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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