

Converting Colors

CIELCh(31, 37.989, 97.601)

Have a look what the booklet for
CIELCh(31, 37.989, 97.601) contains.

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Color

CIELCh(31, 37.907, 97.608)

Conversions

Conversions Part 1

Format	Color
Hex	514A05
RGB	81, 74, 5
RGB Percent	32%, 29%, 2%
CMY	0.6825, 0.7099, 0.9805
CMYK	0.00, 0.09, 0.94, 0.68
HSL	54°, 88%, 17%
HSV	54°, 94%, 32%
XYZ	5.8637, 6.6515, 1.1173
YIQ	68.2270, 26.3210, -19.9750

Conversions

Conversions Part 2

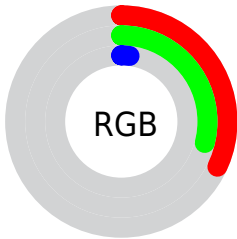
Format	Color
R_{YB}	13, 81, 5
Decimal	5327365
CIE Lab	31.00, -5.02, 37.57
CIE LCh	31, 37.907, 97.608
Yxy	6.6515, 0.4301, 0.4879
Android (android.graphics.Color)	4283517445 (0xFF514A05)
YUV	68.2270, -31.1709, 11.2019
Hunter-Lab	25.7905, -4.5495, 15.4848

Details

The CIELCh color **31, 37.907, 97.608** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8, 49.627, 302.473**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 37.880, 97.397**, and **11, 17.169, 105.441** is the 20% darker color. If you saturate the color by 10%, you get **31, 39.677, 97.151**, and if you desaturate by 10%, it is **31, 35.311, 98.377**.

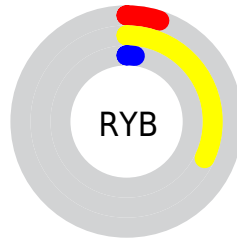
Distribution



 Red (32%)

 Green (29%)

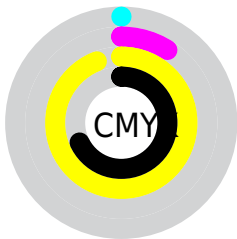
 Blue (2%)



 Red (5%)

 Yellow (32%)

 Blue (2%)

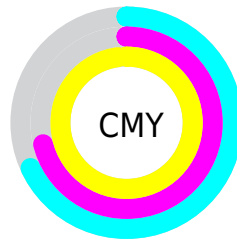


 Cyan (0%)

 Magenta (9%)

 Yellow (94%)

 Black (68%)



 Cyan (68%)

















 Magenta (71%)

 Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 37.907, 97.608 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, 37.907, 97.608 by changing the saturation by 10% instead.

 31, 37.907, 97.608	 31, 37.907, 97.608
 100, 37.907, 97.608	 21, 37.907, 97.608
 51, 37.907, 97.608	 11, 37.907, 97.608
 61, 37.907, 97.608	 1, 37.907, 97.608
 71, 37.907, 97.608	 0, 37.907, 97.608
 81, 37.907, 97.608	
 91, 37.907, 97.608	
 31, 37.907, 97.608	 31, 37.907, 97.608
 31, 39.677, 97.151	 31, 35.311, 98.377

■ 32, 32.171, 99.203

■ 32, 28.451,
100.087

■ 32, 24.350,
101.016

■ 33, 20.010,
101.973

■ 33, 15.529,
102.942

■ 33, 10.972,
103.913

■ 34, 6.378, 104.873

■ 34, 1.775, 105.798

Harmonies

Complementary

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



31, 37.907, 97.608



8, 49.627, 302.473

Rectangle

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



31, 37.907, 97.608



31, 37.907, 147.608



31, 37.907, 277.608



31, 37.907, 327.608

Sweetspot

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



31, 37.907, 97.610



43, 15.885, 103.419



15, 37.984, 28.008



21, 11.047, 103.162



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, 37.907, 97.610



40, 47.289, 96.938



31, 43.388, 122.924



16, 2.586, 105.357



84, 84.466, 96.490

Inverse Universe

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



8, 49.627, 302.473



11, 64.409, 304.158



10, 51.576, 310.381



15, 2.627, 287.062



30, 120.264, 305.306

Previews

White Background



This preview shows how the CIELCh color 31, 37.907, 97.608 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, 37.907, 97.608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

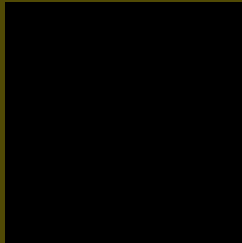
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 37.907, 97.608

Background



This preview shows how black text looks on a background with the CIELCh color 31, 37.907, 97.608.



This preview shows how white text looks on a background with the CIELCh color 31, 37.907, 97.608.

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, 37.907, 97.608

Protanopia

31, 37.732, 95.142

Deuteranopia

31, 35.934, 83.728



Tritanopia
31, 7.797, 356.790

Trichromacy



Original Color
31, 37.907, 97.608

Protanomaly
31, 37.652, 95.940

Deuteranomaly
31, 36.336, 89.104

Tritanomaly
31, 15.399, 82.936

Monochromacy



Original Color
31, 37.907, 97.608

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 15.884, 101.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 37.907, 97.608 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(81, 74, 5)` looks like.

```
.text, #text, p{  
    color:rgb(81, 74, 5)  
}
```


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(81, 74, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 74, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 37.907, 97.608 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(81, 74, 5) }
```

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

```
.border{ border-color:rgb(81, 74, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 74, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 74, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(81, 74, 5); box-shadow:4px  
4px 4px 4px rgb(81, 74, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 37.907, 97.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 74, 5) }
```

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

```
.background{ background-color: rgb(81, 74,  
5) }
```

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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