

Converting Colors

CIELCh(31, 25.037, 96.056)

Have a look what the booklet for
CIELCh(31, 25.037, 96.056) contains.

CIELCh(31, 25.001, 96.124)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(31, 25.001, 96.124)

Conversions

Conversions Part 1

Format	Color
Hex	514921
RGB	81, 73, 33
RGB Percent	32%, 29%, 13%
CMY	0.6817, 0.7131, 0.8700
CMYK	0.00, 0.10, 0.59, 0.68
HSL	50°, 42%, 22%
HSV	50°, 59%, 32%
XYZ	6.0756, 6.6515, 2.4128
YIQ	70.8320, 17.6080, -10.7440

Conversions

Conversions Part 2

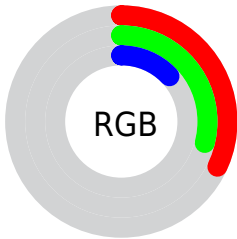
Format	Color
R_YB	43, 81, 33
Decimal	5327137
CIE Lab	31.00, -2.67, 24.86
CIE LCh	31, 25.001, 96.124
Yxy	6.6515, 0.4013, 0.4393
Android (android.graphics.Color)	4283517217 (0xFF514921)
YUV	70.8320, -18.6512, 8.9173
Hunter-Lab	25.7905, -3.0830, 12.5065

Details

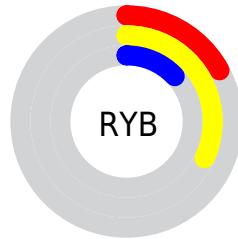
The CIELCh color **31, 25.001, 96.124** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **18, 27.558, 291.406**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 24.674, 95.348**, and **11, 16.725, 97.237** is the 20% darker color. If you saturate the color by 10%, you get **30, 28.814, 95.055**, and if you desaturate by 10%, it is **32, 20.940, 97.202**.

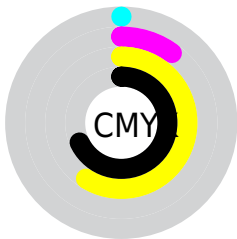
Distribution



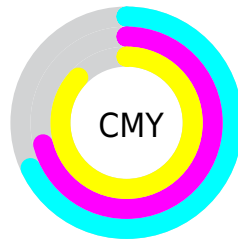
- Red (32%)
- Green (29%)
- Blue (13%)



- Red (17%)
- Yellow (32%)
- Blue (13%)



- Cyan (0%)
- Magenta (10%)
- Yellow (59%)
- Black (68%)



- Cyan (68%)
- Magenta (71%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 25.001, 96.124 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, 25.001, 96.124 by changing the saturation by 10% instead.

31, 25.001, 96.124

31, 25.001, 96.124

100, 25.001,
96.124

21, 25.001, 96.124

51, 25.001, 96.124

11, 25.001, 96.124

61, 25.001, 96.124

1, 25.001, 96.124

71, 25.001, 96.124

0, 25.001, 96.124

81, 25.001, 96.124

91, 25.001, 96.124

31, 25.001, 96.124

31, 25.001, 96.124

30, 28.814, 95.055

32, 20.940, 97.202

■ 30, 32.211, 93.987

■ 32, 16.742, 98.275

■ 30, 34.976, 92.918

■ 33, 12.477, 99.337

■ 29, 37.779, 91.921

■ 33, 8.189, 100.382

■ 29, 38.024, 91.844

■ 34, 3.905, 101.397

■ 35, 0.361, 282.614

■ 35, 4.599, 283.393

■ 36, 8.804, 284.314

■ 37, 12.974,
285.203

Harmonies

Complementary

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



31, 25.001, 96.124



18, 27.558, 291.406

Rectangle

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



31, 25.001, 96.124



31, 25.001, 146.124



31, 25.001, 276.124



31, 25.001, 326.124

Sweetspot

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



31, 25.001, 96.127



43, 9.482, 100.438



20, 24.019, 12.370



21, 6.645, 100.249



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, 25.001, 96.127



39, 36.151, 94.600



32, 29.788, 119.526



16, 2.392, 101.440



38, 45.299, 91.413



79, 80.764, 90.501

Inverse Universe

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



18, 27.558, 291.406



20, 41.732, 294.792



17, 33.523, 306.423



15, 2.421, 283.261



12, 60.134, 302.121



32, 113.956, 303.765

Previews

White Background



This preview shows how the CIELCh color 31, 25.001, 96.124 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, 25.001, 96.124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

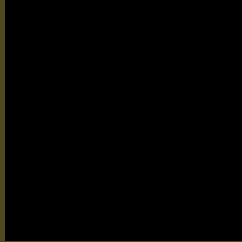
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 25.001, 96.124

Background



This preview shows how black text looks on a background with the CIELCh color 31, 25.001, 96.124.



This preview shows how white text looks on a background with the CIELCh color 31, 25.001, 96.124.

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, 25.001, 96.124

Protanopia

31, 25.001, 96.124

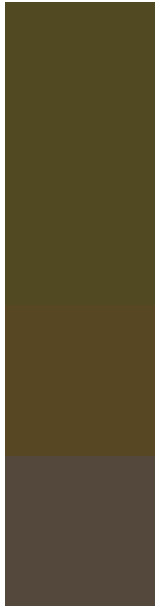
Deuteranopia

31, 24.941, 81.401



Tritanopia
31, 7.797, 356.790

Trichromacy



Original Color

31, 25.001, 96.124

Protanomaly

31, 25.001, 96.124

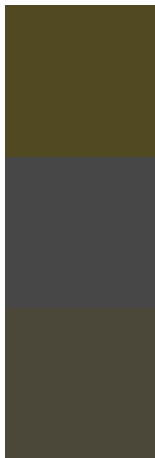
Deuteranomaly

31, 24.570, 86.202

Tritanomaly

31, 9.862, 69.930

Monochromacy



Original Color

31, 25.001, 96.124

Achromatopsia

30, 0.005, 296.813

Achromatomaly

30, 9.613, 99.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 25.001, 96.124 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, 73, 33)` looks like.

```
.text, #text, p{  
    color:rgb(81, 73, 33)  
}
```

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, 73, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 73, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 25.001, 96.124 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, 73, 33) }
```

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

```
.border{ border-color:rgb(81, 73, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 73, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 73, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 73, 33);  
box-shadow:4px 4px 4px 4px rgb(81, 73, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 25.001, 96.124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 73, 33) }
```

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

```
.background{ background-color: rgb(81, 73,  
33) }
```

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