

Converting Colors

CIELCh(24, 33.819, 114.591)

Have a look what the booklet for
CIELCh(24, 33.819, 114.591)
contains.

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Color

CIELCh(24, 33.871, 114.969)

Conversions

Conversions Part 1

Format	Color
Hex	313E04
RGB	49, 62, 4
RGB Percent	19%, 24%, 2%
CMY	0.8080, 0.7571, 0.9845
CMYK	0.21, 0.00, 0.94, 0.76
HSL	73°, 88%, 13%
HSV	73°, 94%, 24%
XYZ	3.0058, 4.1002, 0.7463
YIQ	51.5010, 10.8700, -20.7940

Conversions

Conversions Part 2

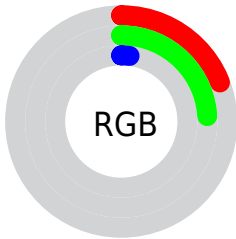
Format	Color
RYB	4, 62, 17
Decimal	3227140
CIELab	24.00, -14.30, 30.71
CIELCh	24, 33.871, 114.969
Yxy	4.1002, 0.3828, 0.5222
Android (android.graphics.Color)	4281417220 (0xFF313E04)
YUV	51.5010, -23.4180, -2.1934
Hunter-Lab	20.2490, -8.9391, 11.9892

Details

The CIELCh color **24, 33.871, 114.969** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 41.210, 305.706**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 34.302, 115.529**, and **5, 12.165, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 35.513, 114.982**, and if you desaturate by 10%, it is **24, 31.299, 114.966**.

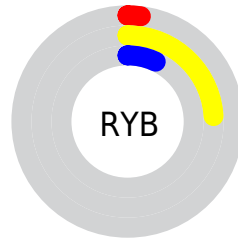
Distribution



Red (19%)

Green (24%)

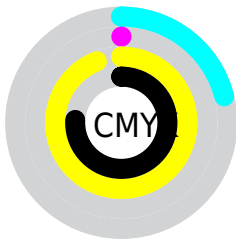
Blue (2%)



Red (2%)

Yellow (24%)

Blue (7%)

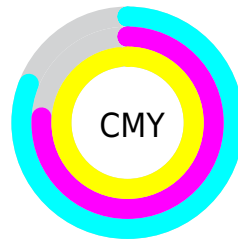


Cyan (21%)

Magenta (0%)

Yellow (94%)

Black (76%)



Cyan (81%)


Magenta (76%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 33.871, 114.969 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 24, 33.871, 114.969 by changing the saturation by 10% instead.

 24, 33.871,
114.969


 24, 33.871,
114.969

 100, 33.871,
114.969

 14, 33.871,
114.969


 44, 33.871,
114.969


 4, 33.871, 114.969

 54, 33.871,
114.969

 0, 33.871, 114.969

 64, 33.871,
114.969

 74, 33.871,
114.969

 84, 33.871,
114.969

 94, 33.871,

114.969

■ 24, 33.871,
114.969

■ 24, 33.871,
114.969

■ 24, 35.513,
114.982

■ 24, 31.299,
114.966

■ 24, 28.401,
115.131

■ 25, 25.076,
115.469

■ 25, 21.455,
115.920

■ 25, 17.636,
116.441

■ 25, 13.687,
117.000

■ 25, 9.659, 117.576

■ 26, 5.583, 118.154

■ 26, 1.485, 118.725

Harmonies

Complementary

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



24, 33.871, 114.969



5, 41.210, 305.706

Rectangle

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



24, 33.871, 114.969



24, 33.871, 164.969



24, 33.871, 294.969



24, 33.871, 344.969

Sweetspot

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



24, 33.871, 114.971



34, 14.366, 117.249



12, 27.336, 38.286



16, 9.741, 117.149



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 33.871, 114.971



32, 43.536, 115.022



22, 38.672, 132.672



11, 2.251, 118.453



37, 48.169, 115.248



82, 90.119, 116.155

Inverse Universe

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



5, 41.210, 305.706



7, 56.539, 307.967



9, 40.618, 318.864



10, 2.288, 299.409



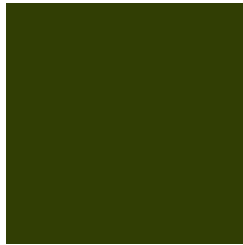
9, 63.022, 307.996



29, 118.415, 307.389

Previews

White Background



This preview shows how the CIE LCh color 24, 33.871, 114.969 looks on a white background.

Color Contrast Check

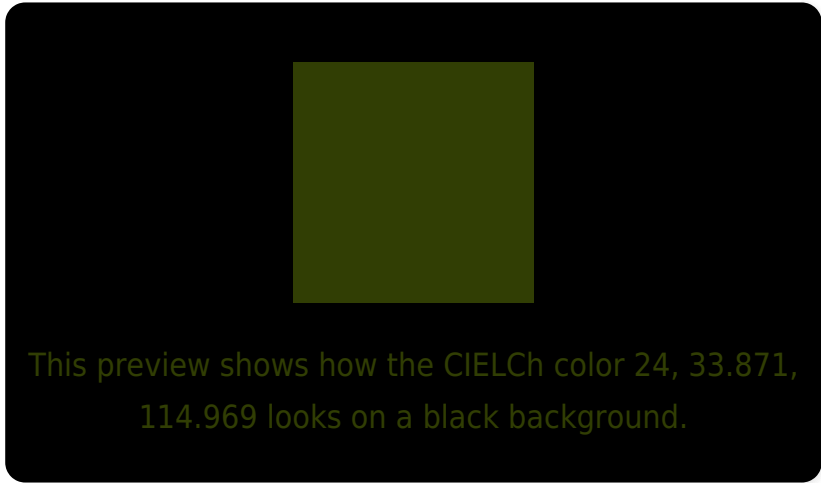
Large Text (above 18pt) WCAG AA ✓ Pass

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

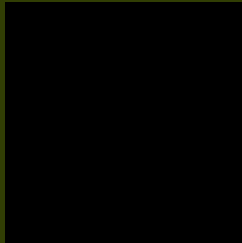
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 33.871, 114.969

Background



This preview shows how black text looks on a background with the CIELCh color 24, 33.871, 114.969.



This preview shows how white text looks on a background with the CIELCh color 24, 33.871, 114.969.

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

24, 33.871, 114.969

Protanopia

24, 32.811, 95.465

Deuteranopia

24, 28.155, 83.572



Tritanopia
24, 3.141, 256.950

Trichromacy



Original Color
24, 33.871, 114.969

Protanomaly
24, 32.950, 103.222

Deuteranomaly
24, 29.086, 96.272

Tritanomaly
24, 12.285, 123.752

Monochromacy



Original Color
24, 33.871, 114.969

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 14.060, 117.375

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 33.871, 114.969 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(49, 62, 4)` looks like.

```
.text, #text, p{  
    color:rgb(49, 62, 4)  
}
```

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(49, 62, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 62, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 33.871, 114.969 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(49, 62, 4) }
```

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

```
.border{ border-color:rgb(49, 62, 4) }
```

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

Here you see how a box with a 4 pixel rgb(49, 62, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 62, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(49, 62, 4); box-shadow:4px  
4px 4px 4px rgb(49, 62, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 33.871, 114.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 62, 4) }
```

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

```
.background{ background-color: rgb(49, 62,  
4) }
```

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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