

Converting Colors

CIELCh(30, 34.271, 120.140)

Have a look what the booklet for
CIELCh(30, 34.271, 120.140)
contains.

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Color

CIELCh(30, 34.271, 120.140)

Conversions

Conversions Part 1

Format	Color
Hex	3A4D15
RGB	58, 77, 21
RGB Percent	23%, 30%, 8%
CMY	0.7731, 0.6986, 0.9182
CMYK	0.25, 0.00, 0.73, 0.70
HSL	80°, 57%, 19%
HSV	80°, 73%, 30%
XYZ	4.5139, 6.2359, 1.6681
YIQ	64.9350, 6.6520, -21.4440

Conversions

Conversions Part 2

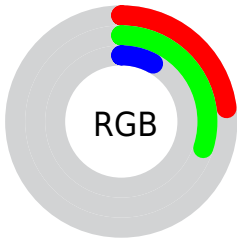
Format	Color
RYB	21, 77, 40
Decimal	3820821
CIELab	30.00, -17.21, 29.64
CIELCh	30, 34.271, 120.140
Yxy	6.2359, 0.3635, 0.5022
Android (android.graphics.Color)	4282010901 (0xFF3A4D15)
YUV	64.9350, -21.6600, -6.0820
Hunter-Lab	24.9718, -11.4349, 13.5197

Details

The CIELCh color **30, 34.271, 120.140** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **13, 39.657, 308.014**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 34.378, 120.144**, and **10, 22.107, 137.315** is the 20% darker color. If you saturate the color by 10%, you get **30, 37.769, 120.137**, and if you desaturate by 10%, it is **30, 30.230, 120.361**.

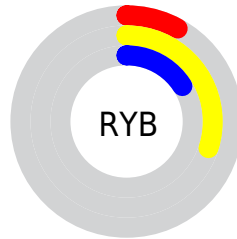
Distribution



Red (23%)

Green (30%)

Blue (8%)



Red (8%)

Yellow (30%)

Blue (16%)

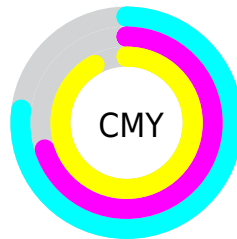


Cyan (25%)

Magenta (0%)

Yellow (73%)

Black (70%)



Cyan (77%)


Magenta (70%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 34.271, 120.140 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 30, 34.271, 120.140 by changing the saturation by 10% instead.


 30, 34.271,
120.140


 30, 34.271,
120.140

 100, 34.271,
120.140


 20, 34.271,
120.140


 50, 34.271,
120.140


 10, 34.271,
120.140

 60, 34.271,
120.140

 0, 34.271, 120.140

 70, 34.271,
120.140

 80, 34.271,
120.140

 90, 34.271,
120.140

■ 30, 34.271,
120.140

■ 30, 34.271,
120.140

■ 30, 37.769,
120.137

■ 30, 30.230,
120.361

■ 30, 40.741,
120.320

■ 31, 25.811,
120.721

■ 29, 43.013,
120.301

■ 31, 21.141,
121.164

■ 31, 16.312,
121.650

■ 32, 11.389,
122.153

■ 32, 6.415, 122.655

■ 33, 1.424, 123.158

■ 33, 3.561, 303.592

Harmonies

Complementary

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



30, 34.271, 120.140



13, 39.657, 308.014

Rectangle

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



30, 34.271, 120.140



30, 34.271, 170.140



30, 34.271, 300.140



30, 34.271, 350.140

Sweetspot

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



30, 34.271, 120.142



41, 13.564, 122.156



20, 25.131, 51.685



20, 9.186, 122.090



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 34.271, 120.142



38, 47.625, 120.319



28, 39.312, 135.620



15, 2.772, 122.864



39, 52.496, 120.877



83, 95.698, 121.940

Inverse Universe

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



13, 39.657, 308.014



14, 57.439, 308.900



17, 39.768, 322.357



14, 2.815, 303.693



11, 65.352, 309.438



32, 119.277, 308.739

Previews

White Background



This preview shows how the CIELCh color 30, 34.271, 120.140 looks on a white background.

Color Contrast Check

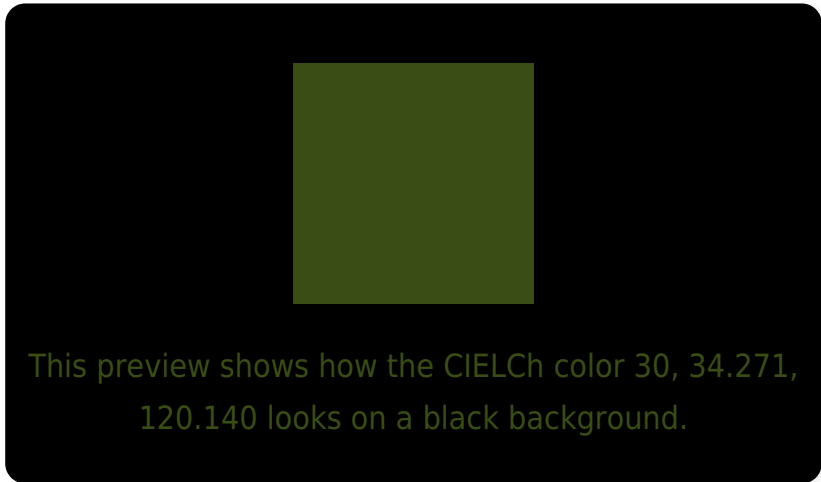
Large Text (above 18pt) WCAG AA ✓ Pass

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

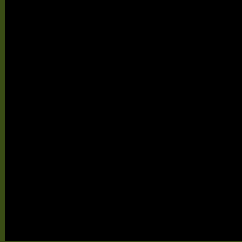
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

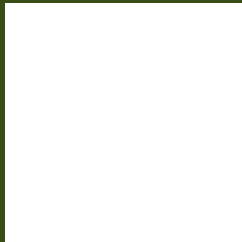
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 30, 34.271, 120.140

Background



This preview shows how black text looks on a background with the CIELCh color 30, 34.271, 120.140.



This preview shows how white text looks on a background with the CIELCh color 30, 34.271, 120.140.

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

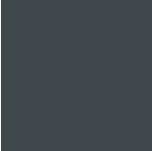
30, 34.271, 120.140

Protanopia

30, 31.261, 96.534

Deuteranopia

30, 28.478, 82.146



Tritanopia
30, 4.560, 243.800

Trichromacy



Original Color
30, 34.271, 120.140

Protanomaly
30, 31.417, 106.149

Deuteranomaly
30, 29.173, 98.467

Tritanomaly
30, 12.140, 134.981

Monochromacy



Original Color
30, 34.271, 120.140

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 13.204, 122.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 34.271, 120.140 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(58, 77, 21)` looks like.

```
.text, #text, p{  
    color:rgb(58, 77, 21)  
}
```

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(58, 77, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 77, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 34.271, 120.140 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(58, 77, 21) }
```

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

```
.border{ border-color:rgb(58, 77, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 77, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 77, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 77, 21);  
box-shadow:4px 4px 4px 4px rgb(58, 77, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 34.271, 120.140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 77, 21) }
```

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

```
.background{ background-color: rgb(58, 77,  
21) }
```

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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