

Converting Colors

CIELCh(34, 34.765, 120.716)

Have a look what the booklet for
CIELCh(34, 34.765, 120.716)
contains.

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Color

CIELCh(34, 34.746, 120.731)

Conversions

Conversions Part 1

Format	Color
Hex	43571E
RGB	67, 87, 30
RGB Percent	26%, 34%, 12%
CMY	0.7391, 0.6607, 0.8841
CMYK	0.23, 0.00, 0.66, 0.66
HSL	81°, 49%, 23%
HSV	81°, 66%, 34%
XYZ	5.8811, 8.0082, 2.4340
YIQ	74.5220, 6.3770, -21.9670

Conversions

Conversions Part 2

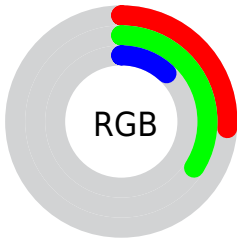
Format	Color
R_{YB}	30, 87, 50
Decimal	4413214
CIE _{Lab}	34.00, -17.76, 29.87
CIE _{LCh}	34, 34.746, 120.731
Yxy	8.0082, 0.3603, 0.4906
Android (android.graphics.Color)	4282603294 (0xFF43571E)
YUV	74.5220, -21.9493, -6.5968
Hunter-Lab	28.2988, -12.4270, 14.7096

Details

The CIELCh color $[34, 34.746, 120.731]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[17, 39.522, 307.923]$, and the grayscale version is $[32, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 34.617, 120.731]$, and $[14, 25.965, 128.217]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 38.994, 120.599]$, and if you desaturate by 10%, it is $[34, 30.004, 121.042]$.

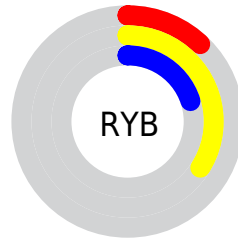
Distribution



Red (26%)

Green (34%)

Blue (12%)



Red (12%)

Yellow (34%)

Blue (20%)

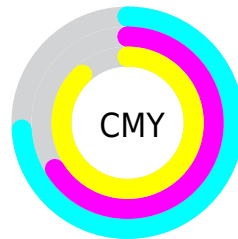


Cyan (23%)

Magenta (0%)

Yellow (66%)

Black (66%)



Cyan (74%)


Magenta (66%)


Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 34.746, 120.731 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 34, 34.746, 120.731 by changing the saturation by 10% instead.


 34, 34.746,
120.731


 34, 34.746,
120.731

 100, 34.746,
120.731


 24, 34.746,
120.731

 54, 34.746,
120.731


 14, 34.746,
120.731


 64, 34.746,
120.731

 4, 34.746, 120.731

 74, 34.746,
120.731

 0, 34.746, 120.731

 84, 34.746,
120.731

 94, 34.746,
120.731

■ 34, 34.746,
120.731

■ 34, 34.746,
120.731

■ 34, 38.994,
120.599

■ 34, 30.004,
121.042

■ 33, 42.543,
120.727

■ 35, 24.929,
121.459

■ 33, 45.550,
121.022

■ 35, 19.641,
121.934

■ 33, 46.877,
121.067

■ 36, 14.225,
122.435

■ 36, 8.739, 122.940

■ 36, 3.223, 123.439

■ 37, 2.292, 303.883

■ 38, 7.786, 304.341

■ 38, 13.243,

Harmonies

Complementary

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



34, 34.746, 120.731



17, 39.522, 307.923

Rectangle

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



34, 34.746, 120.731



34, 34.746, 170.731



34, 34.746, 300.731



34, 34.746, 350.731

Sweetspot

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



34, 34.747, 120.733



46, 13.653, 122.698



25, 24.519, 53.424



23, 9.211, 122.614



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



34, 34.747, 120.733



43, 49.340, 120.634



32, 39.942, 136.335



17, 3.090, 123.293



41, 54.558, 121.480



85, 97.686, 122.491

Inverse Universe

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



17, 39.522, 307.923



18, 58.305, 308.876



21, 40.348, 322.775



16, 3.138, 304.134



12, 67.540, 309.564



34, 121.024, 308.902

Previews

White Background



This preview shows how the CIELCh color 34, 34.746, 120.731 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 CIE LCh color 34, 34.746, 120.731 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 34, 34.746, 120.731

Background



This preview shows how black text looks on a background with the CIELCh color 34, 34.746, 120.731.



This preview shows how white text looks on a background with the CIELCh color 34, 34.746, 120.731.

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


34, 34.746, 120.731

Protanopia

34, 31.260, 96.257

Deuteranopia

34, 29.051, 81.411



Tritanopia
34, 4.674, 252.967

Trichromacy



Original Color
34, 34.746, 120.731

Protanomaly
34, 31.332, 105.637

Deuteranomaly
34, 29.044, 98.059

Tritanomaly
34, 11.903, 135.079

Monochromacy



Original Color
34, 34.746, 120.731

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 13.643, 123.566

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 34.746, 120.731 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(67, 87, 30)` looks like.

```
.text, #text, p{  
    color:rgb(67, 87, 30)  
}
```

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(67, 87, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 87, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 34.746, 120.731 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(67, 87, 30) }
```

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

```
.border{ border-color:rgb(67, 87, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 87, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 87, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 87, 30);  
box-shadow:4px 4px 4px 4px rgb(67, 87, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 34.746, 120.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 87, 30) }
```

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

```
.background{ background-color: rgb(67, 87,  
30) }
```

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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