

Converting Colors

CIELCh(34, 18.637, 119.913)

Have a look what the booklet for
CIELCh(34, 18.637, 119.913)
contains.

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Color

CIELCh(34, 18.252, 118.970)

Conversions

Conversions Part 1

Format	Color
Hex	4B5336
RGB	75, 83, 54
RGB Percent	29%, 33%, 21%
CMY	0.7047, 0.6733, 0.7871
CMYK	0.10, 0.00, 0.35, 0.67
HSL	77°, 21%, 27%
HSV	77°, 35%, 33%
XYZ	6.7128, 8.0082, 4.7163
YIQ	77.3020, 4.5410, -10.7150

Conversions

Conversions Part 2

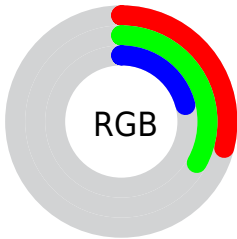
Format	Color
RYB	54, 83, 62
Decimal	4936502
CIELab	34.00, -8.84, 15.97
CIELCh	34, 18.252, 118.970
Yxy	8.0082, 0.3454, 0.4120
Android (android.graphics.Color)	4283126582 (0xFF4B5336)
YUV	77.3020, -11.4879, -2.0189
Hunter-Lab	28.2988, -7.1806, 9.9279

Details

The CIELCh color $[34, 18.252, 118.970]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[25, 19.504, 303.183]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 18.017, 118.815]$, and $[14, 18.176, 118.164]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 23.309, 118.442]$, and if you desaturate by 10%, it is $[34, 13.075, 119.527]$.

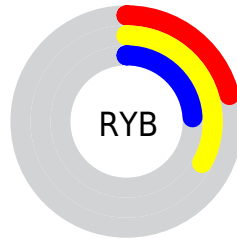
Distribution



Red (29%)

Green (33%)

Blue (21%)



Red (21%)

Yellow (33%)

Blue (24%)

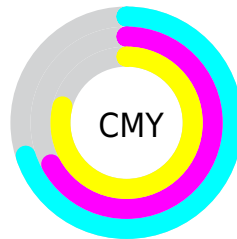


Cyan (10%)

Magenta (0%)

Yellow (35%)

Black (67%)



Cyan (70%)


Magenta (67%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 18.252, 118.970 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, 18.252, 118.970 by changing the saturation by 10% instead.


 34, 18.252,
118.970


 34, 18.252,
118.970

 100, 18.252,
118.970


 24, 18.252,
118.970

 54, 18.252,
118.970


 14, 18.252,
118.970

 64, 18.252,
118.970

 4, 18.252, 118.970

 74, 18.252,
118.970

 0, 18.252, 118.970

 84, 18.252,
118.970

 94, 18.252,
118.970

■ 34, 18.252,
118.970

■ 34, 18.252,
118.970

■ 34, 23.309,
118.442

■ 34, 13.075,
119.527

■ 33, 28.167,
117.966

■ 35, 7.829, 120.085

■ 33, 32.716,
117.587

■ 35, 2.551, 120.638

■ 33, 36.803,
117.366

■ 36, 2.733, 301.151

■ 33, 40.239,
117.377

■ 37, 13.243,
302.138

■ 32, 43.120,
117.564

■ 37, 18.446,
302.586

■ 32, 44.710,
117.578

■ 38, 23.602,
303.005

■ 38, 28.705,

Harmonies

Complementary

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



34, 18.252, 118.970



25, 19.504, 303.183

Rectangle

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



34, 18.252, 118.970



34, 18.252, 168.970



34, 18.252, 298.970



34, 18.252, 348.970

Sweetspot

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



34, 18.253, 118.972



45, 6.496, 120.335



28, 11.589, 46.109



22, 4.380, 120.292



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



34, 18.253, 118.972



43, 26.909, 118.516



33, 20.673, 136.173



16, 2.900, 120.425



40, 52.477, 117.971



85, 94.603, 118.888

Inverse Universe

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



25, 19.504, 303.183



29, 29.321, 303.888



26, 21.034, 319.185



15, 2.949, 301.371



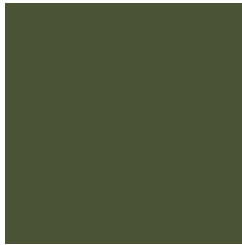
11, 67.274, 308.499



32, 121.607, 307.903

Previews

White Background



This preview shows how the CIELCh color 34, 18.252, 118.970 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, 18.252, 118.970 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, 18.252, 118.970

Background



This preview shows how black text looks on a background with the CIELCh color 34, 18.252, 118.970.



This preview shows how white text looks on a background with the CIELCh color 34, 18.252, 118.970.

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, 18.252, 118.970

Protanopia

34, 17.068, 95.804

Deuteranopia

34, 15.688, 71.969



Tritanopia
34, 4.398, 290.941

Trichromacy



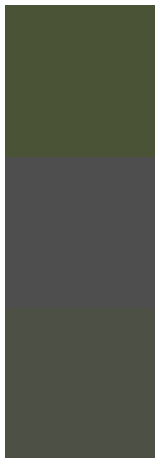
Original Color
34, 18.252, 118.970

Protanomaly
34, 17.311, 103.971

Deuteranomaly
34, 15.561, 91.367

Tritanomaly
34, 4.577, 126.176

Monochromacy



Original Color
34, 18.252, 118.970

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 7.014, 120.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 18.252, 118.970 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(75, 83, 54)` looks like.

```
.text, #text, p{  
    color:rgb(75, 83, 54)  
}
```

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(75, 83, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 83, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 18.252, 118.970 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(75, 83, 54) }
```

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

```
.border{ border-color:rgb(75, 83, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 83, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 83, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 83, 54);  
box-shadow:4px 4px 4px 4px rgb(75, 83, 54)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 18.252, 118.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 83, 54) }
```

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

```
.background{ background-color: rgb(75, 83,  
54) }
```

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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