

Converting Colors

CIELCh(32, 14.670, 118.659)

Have a look what the booklet for
CIELCh(32, 14.670, 118.659)
contains.

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Color

CIELCh(32, 14.640, 118.678)

Conversions

Conversions Part 1

Format	Color
Hex	484E37
RGB	72, 78, 55
RGB Percent	28%, 31%, 22%
CMY	0.7180, 0.6945, 0.7846
CMYK	0.08, 0.00, 0.30, 0.69
HSL	76°, 17%, 26%
HSV	76°, 30%, 31%
XYZ	6.0712, 7.0852, 4.6513
YIQ	73.5840, 3.8070, -8.4250

Conversions

Conversions Part 2

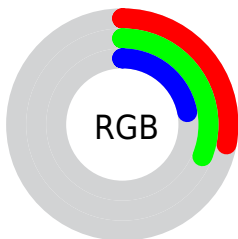
Format	Color
R_{YB}	55, 78, 61
Decimal	4738615
CIE Lab	32.00, -7.03, 12.84
CIE LCh	32, 14.640, 118.678
Yxy	7.0852, 0.3409, 0.3979
Android (android.graphics.Color)	4282928695 (0xFF484E37)
YUV	73.5840, -9.1619, -1.3892
Hunter-Lab	26.6180, -5.8677, 8.2721

Details


The CIELCh color $32, 14.640, 118.678$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $25, 15.473, 302.242$, and the grayscale version is $31, 0.005, 296.813$.

A 20% lighter version of the original color is $52, 14.613, 118.326$, and $12, 14.719, 119.820$ is the 20% darker color. If you saturate the color by 10%, you get $32, 19.483, 118.127$, and if you desaturate by 10%, it is $32, 9.714, 119.247$.

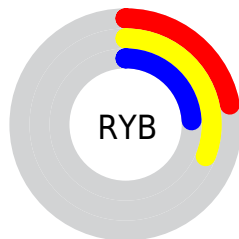
Distribution



 Red (28%)

 Green (31%)

 Blue (22%)



 Red (22%)

 Yellow (31%)

 Blue (24%)

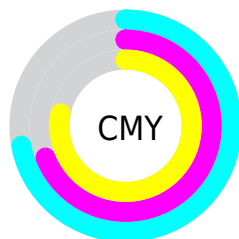



 Cyan (8%)


 Magenta (0%)

 Yellow (30%)

 Black (69%)



 Cyan (72%)


 Magenta (69%)


 Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 14.640, 118.678 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 32, 14.640, 118.678 by changing the saturation by 10% instead.


 32, 14.640,
118.678


 32, 14.640,
118.678

 100, 14.640,
118.678


 22, 14.640,
118.678

 52, 14.640,
118.678


 12, 14.640,
118.678


 62, 14.640,
118.678

 2, 14.640, 118.678

 72, 14.640,
118.678

 0, 14.640, 118.678

 82, 14.640,
118.678

 92, 14.640,
118.678

■ 32, 14.640,
118.678

■ 32, 14.640,
118.678

■ 32, 19.483,
118.127

■ 32, 9.714, 119.247

■ 31, 24.183,
117.608

■ 33, 4.742, 119.810

■ 31, 28.657,
117.157

■ 33, 0.247, 300.282

■ 31, 32.787,
116.823

■ 34, 10.196,
301.375

■ 31, 36.415,
116.668

■ 35, 15.131,
301.848

■ 30, 39.388,
116.754

■ 35, 20.028,
302.290

■ 30, 42.379,
116.752

■ 36, 24.879,
302.704

■ 30, 42.534,

■ 36, 29.680,

116.745

303.090

Harmonies

Complementary

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



32, 14.640, 118.678



25, 15.473, 302.242

Rectangle

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



32, 14.640, 118.678



32, 14.640, 168.678



32, 14.640, 298.678



32, 14.640, 348.678

Sweetspot

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



32, 14.641, 118.681



43, 5.604, 119.820



27, 9.160, 44.445



21, 3.845, 119.773



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



32, 14.641, 118.681



42, 21.614, 118.302



31, 16.501, 135.988



15, 2.739, 119.859



40, 51.360, 117.210



84, 93.406, 118.123

Inverse Universe

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



25, 15.473, 302.242



30, 23.181, 302.782



26, 16.767, 318.445



14, 2.785, 300.814



10, 66.252, 308.339



31, 120.866, 307.743

Previews

White Background



This preview shows how the CIELCh color 32, 14.640, 118.678 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 32, 14.640, 118.678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

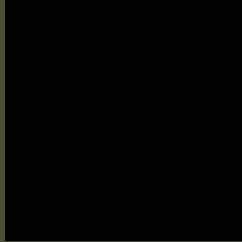
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 14.640, 118.678

Background



This preview shows how black text looks on a background with the CIELCh color 32, 14.640, 118.678.

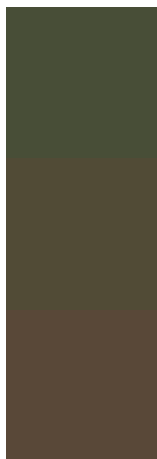


This preview shows how white text looks on a background with the CIELCh color 32, 14.640, 118.678.

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


32, 14.640, 118.678

Protanopia

32, 13.506, 95.425

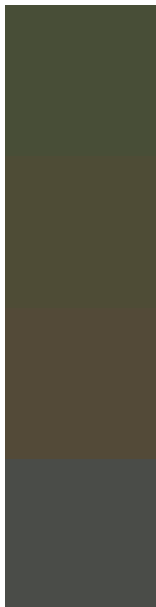
Deuteranopia

32, 13.146, 69.594



Tritanopia
32, 3.803, 290.863

Trichromacy



Original Color
32, 14.640, 118.678

Protanomaly
32, 13.809, 103.695

Deuteranomaly
32, 12.159, 87.308

Tritanomaly
32, 2.681, 128.885

Monochromacy



Original Color
32, 14.640, 118.678

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 5.764, 118.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 14.640, 118.678 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(72, 78, 55)` looks like.

```
.text, #text, p{  
    color:rgb(72, 78, 55)  
}
```

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(72, 78, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 78, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 14.640, 118.678 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(72, 78, 55) }
```

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

```
.border{ border-color:rgb(72, 78, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 78, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 78, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 78, 55);  
box-shadow:4px 4px 4px 4px rgb(72, 78, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 14.640, 118.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 78, 55) }
```

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

```
.background{ background-color: rgb(72, 78,  
55) }
```

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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