

Converting Colors

CIELCh(32, 13.021, 128.526)

Have a look what the booklet for
CIELCh(32, 13.021, 128.526)
contains.

CIELCh(32, 13.352, 128.019)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(32, 13.352, 128.019)

Conversions

Conversions Part 1

Format	Color
Hex	454F3B
RGB	69, 79, 59
RGB Percent	27%, 31%, 23%
CMY	0.7312, 0.6920, 0.7704
CMYK	0.13, 0.00, 0.25, 0.69
HSL	90°, 15%, 27%
HSV	90°, 25%, 31%
XYZ	5.9627, 7.0852, 5.1310
YIQ	73.7300, 0.4600, -8.3400

Conversions

Conversions Part 2

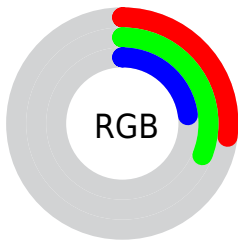
Format	Color
R_{YB}	59, 79, 69
Decimal	4542267
CIE _{Lab}	32.00, -8.22, 10.52
CIE _{LCh}	32, 13.352, 128.019
Yxy	7.0852, 0.3280, 0.3897
Android (android.graphics.Color)	4282732347 (0xFF454F3B)
YUV	73.7300, -7.2619, -4.1482
Hunter-Lab	26.6180, -6.5956, 7.2036

Details

The CIELCh color **32, 13.352, 128.019** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 13.781, 310.163**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 13.500, 128.329**, and **12, 13.365, 127.888** is the 20% darker color. If you saturate the color by 10%, you get **32, 18.552, 127.579**, and if you desaturate by 10%, it is **33, 8.106, 128.456**.

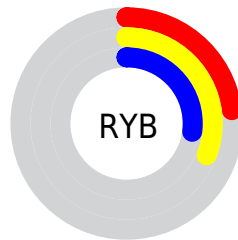
Distribution



Red (27%)

Green (31%)

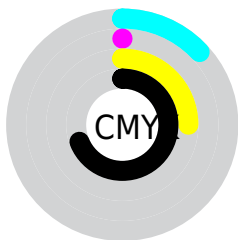
Blue (23%)



Red (23%)

Yellow (31%)

Blue (27%)

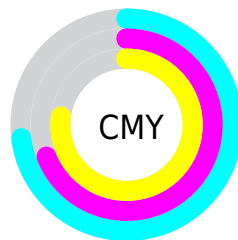


Cyan (13%)

Magenta (0%)

Yellow (25%)

Black (69%)



Cyan (73%)


Magenta (69%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 13.352, 128.019 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, 13.352, 128.019 by changing the saturation by 10% instead.


 32, 13.352,
128.019


 32, 13.352,
128.019

 100, 13.352,
128.019


 22, 13.352,
128.019

 52, 13.352,
128.019


 12, 13.352,
128.019


 62, 13.352,
128.019

 2, 13.352, 128.019

 72, 13.352,
128.019

 0, 13.352, 128.019

 82, 13.352,
128.019

 92, 13.352,
128.019

■ 32, 13.352,
128.019

■ 32, 13.352,
128.019

■ 32, 18.552,
127.579

■ 33, 8.106, 128.456

■ 31, 23.649,
127.149

■ 33, 2.849, 128.882

■ 31, 28.569,
126.760

■ 34, 2.389, 309.221

■ 30, 33.206,
126.460

■ 35, 12.731,
309.925

■ 30, 37.419,
126.315

■ 36, 17.808,
310.224

■ 30, 41.029,
126.414

■ 36, 22.813,
310.493

■ 29, 44.240,
126.588

■ 37, 27.738,
310.736

■ 29, 45.808,

■ 38, 32.581,

126.535

310.954

Harmonies

Complementary

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



32, 13.352, 128.019



26, 13.781, 310.163

Rectangle

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



32, 13.352, 128.019



32, 13.352, 178.019



32, 13.352, 308.019



32, 13.352, 358.019

Sweetspot

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



32, 13.353, 128.021



43, 5.206, 128.760



30, 7.969, 72.563



21, 3.654, 128.719



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, 13.353, 128.021



41, 20.168, 127.726



31, 15.505, 142.930



15, 2.862, 128.745



38, 55.181, 127.125



82, 100.968, 128.278

Inverse Universe

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



26, 13.781, 310.163



33, 21.002, 310.483



28, 15.513, 325.690



14, 2.897, 309.407



14, 63.302, 312.535



37, 115.397, 311.744

Previews

White Background



This preview shows how the CIELCh color 32, 13.352, 128.019 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, 13.352, 128.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

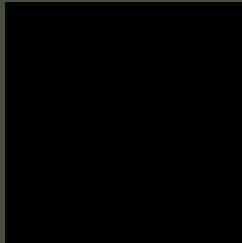
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

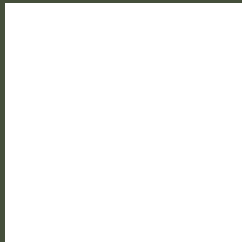
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 13.352, 128.019

Background



This preview shows how black text looks on a background with the CIELCh color 32, 13.352, 128.019.

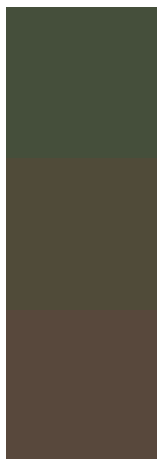


This preview shows how white text looks on a background with the CIELCh color 32, 13.352, 128.019.

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

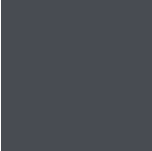
32, 13.352, 128.019

Protanopia

32, 11.570, 96.260

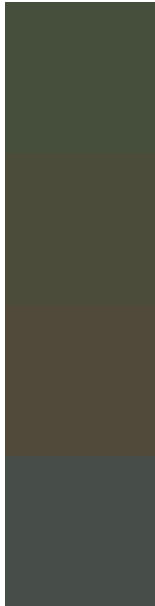
Deuteranopia

32, 10.832, 64.111



Tritanopia
32, 4.115, 266.957

Trichromacy



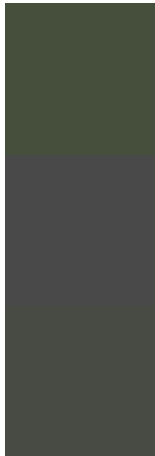
Original Color
32, 13.352, 128.019

Protanomaly
32, 11.301, 108.118

Deuteranomaly
32, 10.035, 89.188

Tritanomaly
32, 3.657, 155.213

Monochromacy



Original Color
32, 13.352, 128.019

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 4.792, 131.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 13.352, 128.019 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(69, 79, 59)` looks like.

```
.text, #text, p{  
    color:rgb(69, 79, 59)  
}
```

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(69, 79, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 79, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 13.352, 128.019 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(69, 79, 59) }
```

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

```
.border{ border-color:rgb(69, 79, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 79, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 79, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 79, 59);  
box-shadow:4px 4px 4px 4px rgb(69, 79, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 13.352, 128.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 79, 59) }
```

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

```
.background{ background-color: rgb(69, 79,  
59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor