

Converting Colors

CIELCh(32, 1.998, 340.551)

Have a look what the booklet for
CIELCh(32, 1.998, 340.551) contains.

CIELCh(32, 2.170, 343.935)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(32, 2.170, 343.935)

Conversions

Conversions Part 1

Format	Color
Hex	4E4A4C
RGB	78, 74, 76
RGB Percent	31%, 29%, 30%
CMY	0.6932, 0.7088, 0.7010
CMYK	0.00, 0.05, 0.03, 0.69
HSL	330°, 3%, 30%
HSV	330°, 5%, 31%
XYZ	6.9399, 7.0852, 7.8837
YIQ	75.4240, 1.7420, 1.4700

Conversions

Conversions Part 2

Format	Color
RYB	78, 74, 76
Decimal	5130828
CIELab	32.00, 2.09, -0.60
CIELCh	32, 2.170, 343.935
Yxy	7.0852, 0.3168, 0.3234
Android (android.graphics.Color)	4283320908 (0xFF4E4A4C)
YUV	75.4240, 0.2840, 2.2592
Hunter-Lab	26.6180, -0.0424, 1.0721

Details

The CIELCh color $32, 2.170, 343.935$ is a dark color, and the websafe version is hex 333333 . A complement of this color would be $33, 2.151, 163.380$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $52, 1.989, 343.751$, and $12, 2.483, 344.341$ is the 20% darker color. If you saturate the color by 10%, you get $30, 6.478, 344.796$, and if you desaturate by 10%, it is $35, 2.038, 163.420$.

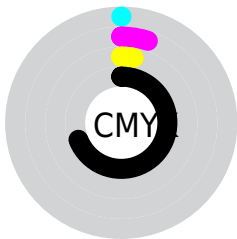
Distribution



- Red (31%)
- Green (29%)
- Blue (30%)



- Red (31%)
- Yellow (29%)
- Blue (30%)



- Cyan (0%)
- Magenta (5%)
- Yellow (3%)
- Black (69%)



- Cyan (69%)
- Magenta (71%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 2.170, 343.935 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, 2.170, 343.935 by changing the saturation by 10% instead.

■ 32, 2.170, 343.935

■ 32, 2.170, 343.935

100, 2.170,
343.935

■ 22, 2.170, 343.935

■ 52, 2.170, 343.935

■ 12, 2.170, 343.935

■ 62, 2.170, 343.935

■ 2, 2.170, 343.935

■ 72, 2.170, 343.935

■ 0, 2.170, 343.935

■ 82, 2.170, 343.935

■ 92, 2.170, 343.935

■ 32, 2.170, 343.935

■ 32, 2.170, 343.935

■ 30, 6.478, 344.796

■ 35, 2.038, 163.420

27, 10.856,
345.677

37, 6.123, 162.688

25, 15.245,
346.650

40, 10.080,
162.059

23, 19.560,
347.747

42, 13.907,
161.480

21, 23.678,
349.008

45, 17.608,
160.943

19, 27.442,
350.490

47, 21.189,
160.441

17, 30.671,
352.266

50, 24.658,
159.972

16, 33.184,
354.438

52, 28.022,
159.531

15, 35.240,
356.848

55, 31.289,
159.117

Harmonies

Complementary

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



32, 2.170, 343.935



33, 2.151, 163.380

Rectangle

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



32, 2.170, 343.935



32, 2.170, 33.935



32, 2.170, 163.935



32, 2.170, 213.935

Sweetspot

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



32, 2.169, 343.945



43, 1.054, 343.578



32, 2.694, 309.248



21, 0.592, 343.533



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, 2.169, 343.945



41, 3.172, 344.045



32, 1.761, 19.526



14, 1.627, 344.029



20, 43.479, 359.469



49, 78.176, 2.683

Inverse Universe

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



32, 2.169, 343.945



41, 3.172, 344.045



33, 1.711, 199.314



14, 1.627, 344.029



20, 43.479, 359.469



49, 78.176, 2.683

Previews

White Background



This preview shows how the CIE LCh color 32, 2.170, 343.935 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 32, 2.170, 343.935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

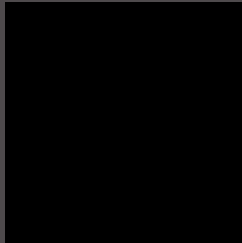
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

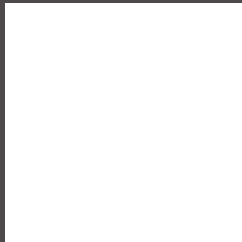
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 2.170, 343.935

Background



This preview shows how black text looks on a background with the CIELCh color 32, 2.170, 343.935.

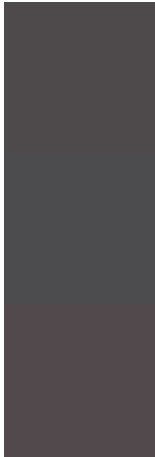


This preview shows how white text looks on a background with the CIELCh color 32, 2.170, 343.935.

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, 2.170, 343.935

Protanopia

32, 1.348, 309.126

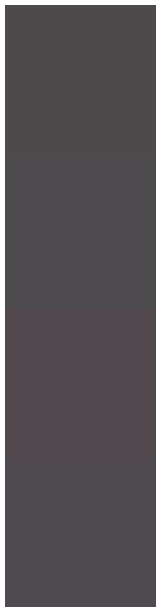
Deuteranopia

32, 4.698, 347.590



Tritanopia
32, 4.389, 320.080

Trichromacy



Original Color

32, 2.170, 343.935

Protanomaly

32, 1.547, 324.486

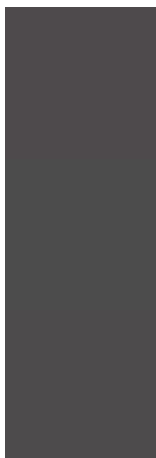
Deuteranomaly

32, 4.334, 344.350

Tritanomaly

32, 3.854, 324.721

Monochromacy



Original Color

32, 2.170, 343.935

Achromatopsia

32, 0.005, 296.813

Achromatomaly

32, 1.085, 343.653

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 2.170, 343.935 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(78, 74, 76)` looks like.

```
.text, #text, p{  
    color:rgb(78, 74, 76)  
}
```

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(78, 74, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 74, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 2.170, 343.935 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(78, 74, 76) }
```

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

```
.border{ border-color:rgb(78, 74, 76) }
```

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

Here you see how a box with a 4 pixel rgb(78, 74, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 74, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 74, 76);  
box-shadow:4px 4px 4px 4px rgb(78, 74, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 2.170, 343.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 74, 76) }
```

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

```
.background{ background-color: rgb(78, 74,  
76) }
```

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