

Converting Colors

CIELCh(34, 3.873, 20.688)

Have a look what the booklet for
CIELCh(34, 3.873, 20.688) contains.

CIELCh(34, 3.966, 19.935)	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(34, 3.966, 19.935)

Conversions

Conversions Part 1

Format	Color
Hex	574E4E
RGB	87, 78, 78
RGB Percent	34%, 31%, 31%
CMY	0.6591, 0.6944, 0.6944
CMYK	0.00, 0.10, 0.10, 0.66
HSL	0°, 5%, 32%
HSV	0°, 10%, 34%
XYZ	8.0135, 8.0082, 8.3157
YIQ	80.6910, 5.3640, 1.9080

Conversions

Conversions Part 2

Format	Color
R_{YB}	87, 78, 78
Decimal	5721678
CIE Lab	34.00, 3.73, 1.35
CIE LCh	34, 3.966, 19.935
Yxy	8.0082, 0.3293, 0.3291
Android (android.graphics.Color)	4283911758 (0xFF574E4E)
YUV	80.6910, -1.3267, 5.5330
Hunter-Lab	28.2988, 1.0236, 2.3866

Details

The CIELCh color $[34, 3.966, 19.935]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[36, 3.735, 198.985]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 4.027, 19.740]$, and $[14, 4.057, 20.402]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 8.082, 20.722]$, and if you desaturate by 10%, it is $[37, 0.131, 17.140]$.

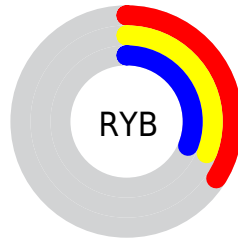
Distribution



Red (34%)

Green (31%)

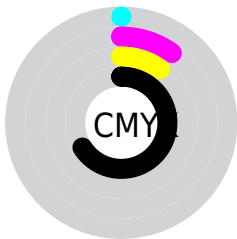
Blue (31%)



Red (34%)

Yellow (31%)

Blue (31%)

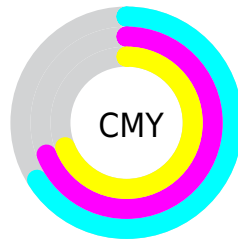


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (66%)



Cyan (66%)

Magenta (69%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 3.966, 19.935 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 34, 3.966, 19.935 by changing the saturation by 10% instead.

■ 34, 3.966, 19.935 ■ 34, 3.966, 19.935

■ 100, 3.966, 19.935 ■ 24, 3.966, 19.935

■ 54, 3.966, 19.935 ■ 14, 3.966, 19.935

■ 64, 3.966, 19.935 ■ 4, 3.966, 19.935

■ 74, 3.966, 19.935 ■ 0, 3.966, 19.935

■ 84, 3.966, 19.935

■ 94, 3.966, 19.935

■ 34, 3.966, 19.935 ■ 34, 3.966, 19.935

■ 31, 8.082, 20.722 ■ 37, 0.131, 17.140

■ 28, 12.486, 21.669 ■ 40, 3.436, 199.068

■ 26, 17.162, 22.868

■ 43, 6.759, 198.649

■ 23, 22.066, 24.402

■ 46, 9.861, 198.330

■ 21, 27.119, 26.355

■ 48, 12.766,
198.072

■ 19, 32.201, 28.803

■ 51, 15.497,
197.860

■ 18, 37.061, 31.526

■ 17, 40.729, 32.909

■ 54, 18.075,
197.683

■ 16, 43.890, 33.585

■ 57, 20.517,
197.535

■ 60, 22.840,
197.410

Harmonies

Complementary

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



34, 3.966, 19.935



36, 3.735, 198.985

Rectangle

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



34, 3.966, 19.935



34, 3.966, 69.935



34, 3.966, 199.935



34, 3.966, 249.935

Sweetspot

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



34, 3.965, 19.950



46, 1.382, 19.329



34, 6.839, 324.941



23, 1.038, 19.408



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, 3.965, 19.950



43, 5.715, 20.098



35, 3.416, 74.206



16, 2.126, 19.835



21, 52.679, 36.577



49, 98.180, 40.002

Inverse Universe

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



36, 3.735, 198.985



46, 5.318, 198.874



35, 3.342, 256.714



17, 2.022, 199.076



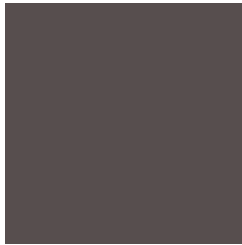
41, 26.462, 196.413



85, 47.039, 196.414

Previews

White Background



This preview shows how the CIELCh color 34, 3.966, 19.935 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 34, 3.966, 19.935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

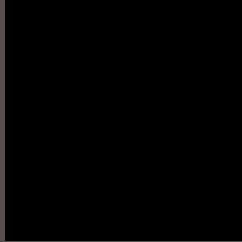
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 3.966, 19.935

Background



This preview shows how black text looks on a background with the CIELCh color 34, 3.966, 19.935.

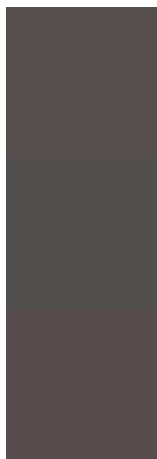


This preview shows how white text looks on a background with the CIELCh color 34, 3.966, 19.935.

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

34, 3.966, 19.935

Protanopia

34, 1.063, 55.193

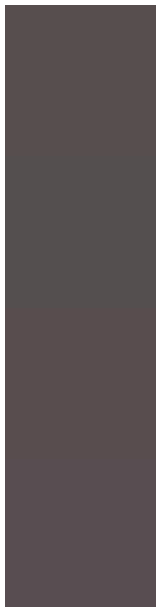
Deuteranopia

34, 4.896, 12.793



Tritanopia
34, 6.075, 342.173

Trichromacy



Original Color

34, 3.966, 19.935

Protanomaly

34, 2.181, 19.602

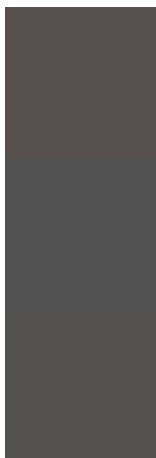
Deuteranomaly

34, 4.896, 12.793

Tritanomaly

34, 5.417, 352.739

Monochromacy



Original Color

34, 3.966, 19.935

Achromatopsia

34, 0.005, 296.813

Achromatomaly

34, 1.301, 19.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 3.966, 19.935 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(87, 78, 78)` looks like.

```
.text, #text, p{  
    color:rgb(87, 78, 78)  
}
```

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(87, 78, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 78, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 3.966, 19.935 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(87, 78, 78) }
```

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

```
.border{ border-color:rgb(87, 78, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 78, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 78, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 78, 78);  
box-shadow:4px 4px 4px 4px rgb(87, 78, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 3.966, 19.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 78, 78) }
```

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

```
.background{ background-color: rgb(87, 78,  
78) }
```

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