

Converting Colors

CIELCh(34, 2.723, 20.695)

Have a look what the booklet for
CIELCh(34, 2.723, 20.695) contains.

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Color

CIELCh(34, 2.703, 33.016)

Conversions

Conversions Part 1

Format	Color
Hex	554F4E
RGB	85, 79, 78
RGB Percent	33%, 31%, 31%
CMY	0.6679, 0.6914, 0.6954
CMYK	0.00, 0.07, 0.08, 0.67
HSL	9°, 4%, 32%
HSV	9°, 8%, 33%
XYZ	7.8543, 8.0082, 8.2803
YIQ	80.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

Format	Color
RYB	85, 79, 78
Decimal	5590862
CIELab	34.00, 2.27, 1.47
CIElCh	34, 2.703, 33.016
Yxy	8.0082, 0.3253, 0.3317
Android (android.graphics.Color)	4283780942 (0xFF554F4E)
YUV	80.6800, -1.3212, 3.7886
Hunter-Lab	28.2988, 0.0193, 2.4608

Details

The CIELCh color $[34, 2.703, 33.016]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[35, 2.576, 213.219]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 2.865, 31.110]$, and $[14, 2.618, 35.593]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 6.206, 33.249]$, and if you desaturate by 10%, it is $[36, 0.549, 213.642]$.

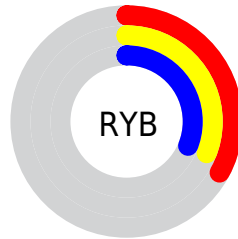
Distribution



Red (33%)

Green (31%)

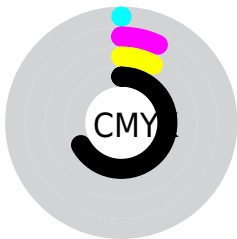
Blue (31%)



Red (33%)

Yellow (31%)

Blue (31%)

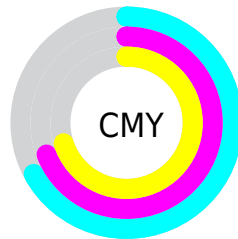


Cyan (0%)

Magenta (7%)

Yellow (8%)

Black (67%)



Cyan (67%)

Magenta (69%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 2.703, 33.016 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, 2.703, 33.016 by changing the saturation by 10% instead.

■ 34, 2.703, 33.016 ■ 34, 2.703, 33.016

■ 100, 2.703, 33.016 ■ 24, 2.703, 33.016

■ 54, 2.703, 33.016 ■ 14, 2.703, 33.016

■ 64, 2.703, 33.016 ■ 4, 2.703, 33.016

■ 74, 2.703, 33.016 ■ 0, 2.703, 33.016

■ 84, 2.703, 33.016

■ 94, 2.703, 33.016

■ 34, 2.703, 33.016 ■ 34, 2.703, 33.016

■ 32, 6.206, 33.249 ■ 36, 0.549, 213.642

■ 29, 9.980, 33.538 ■ 39, 3.571, 213.207

27, 14.036, 33.976

41, 6.386, 213.249

25, 18.373, 34.608

44, 9.017, 213.356

23, 22.972, 35.474

46, 11.483,
213.501

21, 27.783, 36.605

49, 13.805,
213.670

19, 32.695, 37.969

18, 36.828, 38.155

51, 15.998,
213.857

17, 40.173, 38.111

54, 18.078,
214.055

56, 20.058,
214.260

Harmonies

Complementary

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



34, 2.703, 33.016



35, 2.576, 213.219

Rectangle

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



34, 2.703, 33.016



34, 2.703, 83.016



34, 2.703, 213.016



34, 2.703, 263.016

Sweetspot

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



34, 2.702, 33.040



46, 0.791, 32.659



34, 4.865, 328.719



23, 0.453, 32.609



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, 2.702, 33.040



43, 4.082, 33.085



35, 2.966, 87.375



16, 1.871, 33.053



22, 50.622, 40.424



50, 95.563, 41.725

Inverse Universe

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



35, 2.576, 213.219



45, 3.841, 213.208



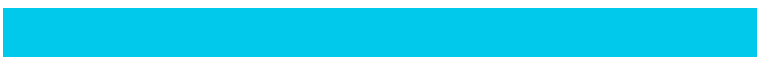
34, 2.960, 269.400



17, 1.777, 213.215



35, 23.103, 221.684



75, 40.961, 223.640

Previews

White Background



This preview shows how the CIELCh color 34, 2.703, 33.016 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, 2.703, 33.016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

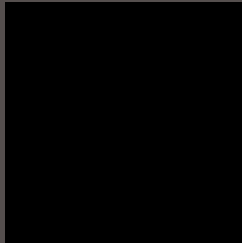
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 2.703, 33.016

Background



This preview shows how black text looks on a background with the CIELCh color 34, 2.703, 33.016.

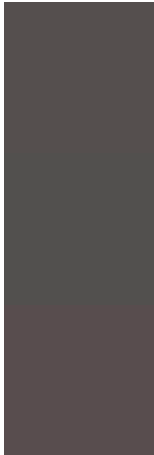


This preview shows how white text looks on a background with the CIELCh color 34, 2.703, 33.016.

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, 2.703, 33.016

Protanopia

34, 1.514, 74.756

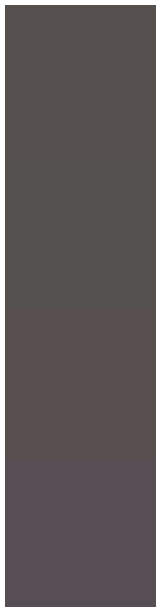
Deuteranopia

34, 4.896, 12.793



Tritanopia
34, 5.112, 332.858

Trichromacy



Original Color

34, 2.703, 33.016

Protanomaly

34, 1.801, 63.208

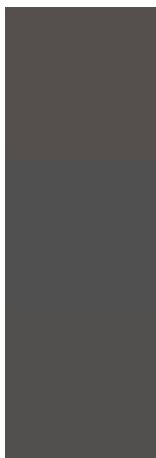
Deuteranomaly

34, 3.966, 19.935

Tritanomaly

34, 4.287, 344.309

Monochromacy



Original Color

34, 2.703, 33.016

Achromatopsia

34, 0.005, 296.813

Achromatomaly

34, 1.063, 55.193

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 2.703, 33.016 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(85, 79, 78)` looks like.

```
.text, #text, p{  
    color:rgb(85, 79, 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(85, 79, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 79, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 2.703, 33.016 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(85, 79, 78) }
```

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

```
.border{ border-color:rgb(85, 79, 78) }
```

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

Here you see how a box with a 4 pixel rgb(85, 79, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 79, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 79, 78);  
box-shadow:4px 4px 4px 4px rgb(85, 79, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 2.703, 33.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 79, 78) }
```

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

```
.background{ background-color: rgb(85, 79,  
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](#).

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