

Converting Colors

CIELCh(34, 2.652, 18.675)

Have a look what the booklet for
CIELCh(34, 2.652, 18.675) contains.

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Color

CIELCh(34, 2.623, 19.690)

Conversions

Conversions Part 1

Format	Color
Hex	554F4F
RGB	85, 79, 79
RGB Percent	33%, 31%, 31%
CMY	0.6682, 0.6917, 0.6917
CMYK	0.00, 0.07, 0.07, 0.67
HSL	0°, 4%, 32%
HSV	0°, 7%, 33%
XYZ	7.8762, 8.0082, 8.4542
YIQ	80.7940, 3.5760, 1.2720

Conversions

Conversions Part 2

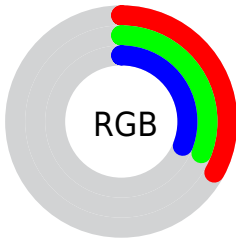
Format	Color
RYB	85, 79, 79
Decimal	5590863
CIELab	34.00, 2.47, 0.88
CIELCh	34, 2.623, 19.690
Yxy	8.0082, 0.3236, 0.3290
Android (android.graphics.Color)	4283780943 (0xFF554F4F)
YUV	80.7940, -0.8844, 3.6887
Hunter-Lab	28.2988, 0.1580, 2.0965

Details

The CIELCh color $[34, 2.623, 19.690]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[35, 2.518, 199.188]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 2.804, 19.563]$, and $[14, 2.501, 19.964]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 6.555, 20.456]$, and if you desaturate by 10%, it is $[37, 1.039, 199.573]$.

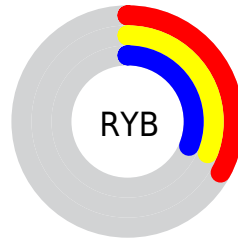
Distribution



Red (33%)

Green (31%)

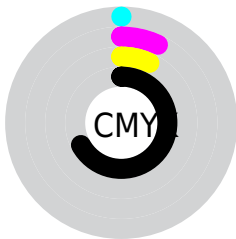
Blue (31%)



Red (33%)

Yellow (31%)

Blue (31%)

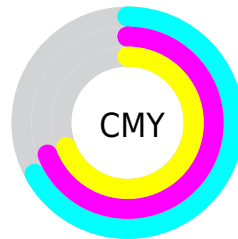


Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (67%)



Cyan (67%)

Magenta (69%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 2.623, 19.690 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, 2.623, 19.690 by changing the saturation by 10% instead.

 34, 2.623, 19.690  34, 2.623, 19.690

 100, 2.623, 19.690  24, 2.623, 19.690


 54, 2.623, 19.690  14, 2.623, 19.690

 64, 2.623, 19.690  4, 2.623, 19.690

 74, 2.623, 19.690  0, 2.623, 19.690

 84, 2.623, 19.690

 94, 2.623, 19.690

 34, 2.623, 19.690  34, 2.623, 19.690

 31, 6.555, 20.456  37, 1.039, 199.573

 29, 10.768, 21.330  40, 4.448, 198.923

26, 15.254, 22.431

42, 7.625, 198.545

24, 19.980, 23.835

45, 10.595,
198.249

21, 24.882, 25.625

48, 13.381,
198.008

19, 29.858, 27.885

18, 34.752, 30.614

51, 16.003,
197.808

16, 38.717, 32.273

54, 18.482,
197.642

15, 41.903, 32.999

57, 20.833,
197.502

60, 23.072,
197.383

Harmonies

Complementary

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



34, 2.623, 19.690



35, 2.518, 199.188

Rectangle

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



34, 2.623, 19.690



34, 2.623, 69.690



34, 2.623, 199.690



34, 2.623, 249.690

Sweetspot

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



34, 2.622, 19.712



46, 0.901, 19.145



34, 4.569, 324.766



23, 0.516, 19.091



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, 2.622, 19.712



43, 4.159, 19.876



35, 2.270, 74.548



16, 2.126, 19.840



21, 52.678, 36.579



49, 98.179, 40.002

Inverse Universe

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



35, 2.518, 199.188



45, 3.942, 199.052



35, 2.240, 256.327



17, 2.021, 199.081



41, 26.459, 196.422



85, 47.034, 196.425

Previews

White Background



This preview shows how the CIELCh color 34, 2.623, 19.690 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, 2.623, 19.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

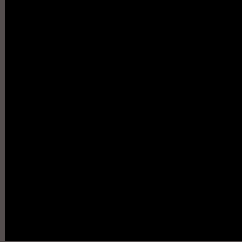
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 2.623, 19.690

Background



This preview shows how black text looks on a background with the CIELCh color 34, 2.623, 19.690.

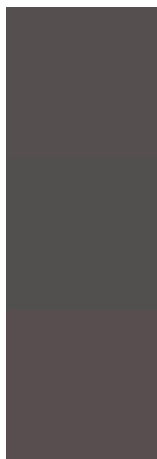


This preview shows how white text looks on a background with the CIELCh color 34, 2.623, 19.690.

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

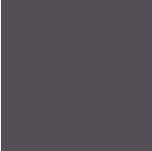
34, 2.623, 19.690

Protanopia

34, 1.063, 55.193

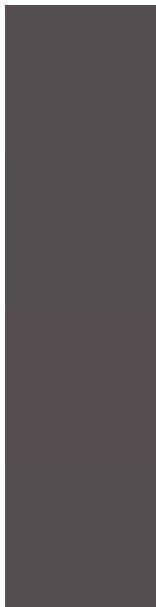
Deuteranopia

34, 4.996, 5.672



Tritanopia
34, 4.833, 329.025

Trichromacy



Original Color

34, 2.623, 19.690

Protanomaly

34, 1.742, 19.503

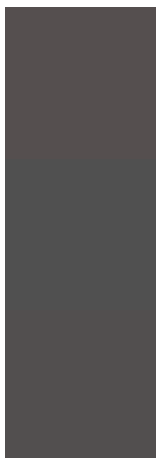
Deuteranomaly

34, 4.001, 10.986

Tritanomaly

34, 3.944, 340.524

Monochromacy



Original Color

34, 2.623, 19.690

Achromatopsia

34, 0.005, 296.813

Achromatomaly

34, 1.304, 19.383

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 2.623, 19.690 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(85, 79, 79)  
}
```

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, 79) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 34, 2.623, 19.690 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, 79) }
```

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

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

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, 79)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 34, 2.623, 19.690 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, 79) }
```

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

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

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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