

Converting Colors

CIELCh(34, 8.845, 77.223)

Have a look what the booklet for
CIELCh(34, 8.845, 77.223) contains.

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Color

CIELCh(34, 8.845, 77.223)

Conversions

Conversions Part 1

Format	Color
Hex	584E42
RGB	88, 78, 66
RGB Percent	35%, 31%, 26%
CMY	0.6531, 0.6924, 0.7395
CMYK	0.00, 0.11, 0.25, 0.65
HSL	33°, 14%, 30%
HSV	33°, 25%, 35%
XYZ	7.8207, 8.0082, 6.3553
YIQ	79.6220, 9.8120, -1.6120

Conversions

Conversions Part 2

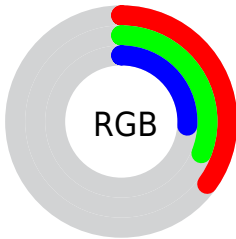
Format	Color
RYB	84, 88, 66
Decimal	5787202
CIELab	34.00, 1.96, 8.63
CIElCh	34, 8.845, 77.223
Yxy	8.0082, 0.3525, 0.3610
Android (android.graphics.Color)	4283977282 (0xFF584E42)
YUV	79.6220, -6.7156, 7.3475
Hunter-Lab	28.2988, -0.1922, 6.4939

Details

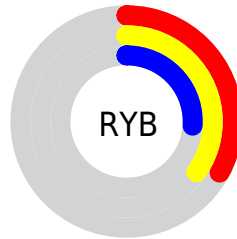
The CIELCh color **34, 8.845, 77.223** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **32, 8.463, 263.616**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 8.777, 77.638**, and **14, 9.015, 78.699** is the 20% darker color. If you saturate the color by 10%, you get **33, 12.625, 76.021**, and if you desaturate by 10%, it is **35, 5.197, 78.412**.

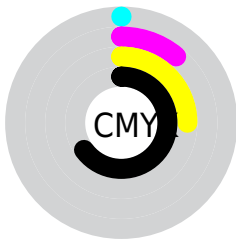
Distribution



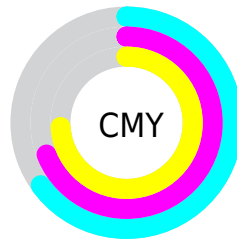
- Red (35%)
- Green (31%)
- Blue (26%)



- Red (33%)
- Yellow (35%)
- Blue (26%)



- Cyan (0%)
- Magenta (11%)
- Yellow (25%)
- Black (65%)




- Cyan (65%)
- Magenta (69%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 8.845, 77.223 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, 8.845, 77.223 by changing the saturation by 10% instead.

 34, 8.845, 77.223  34, 8.845, 77.223

 100, 8.845, 77.223  24, 8.845, 77.223

 54, 8.845, 77.223  14, 8.845, 77.223

 64, 8.845, 77.223  4, 8.845, 77.223

 74, 8.845, 77.223  0, 8.845, 77.223

 84, 8.845, 77.223

 94, 8.845, 77.223

 34, 8.845, 77.223  34, 8.845, 77.223

 33, 12.625, 76.021  35, 5.197, 78.412

 31, 16.533, 74.786  37, 1.676, 79.505

■ 30, 20.548, 73.525

■ 38, 1.725, 260.859

■ 29, 24.622, 72.224

■ 40, 5.017, 261.890

■ 27, 28.656, 70.844

■ 41, 8.209, 262.939

■ 26, 32.460, 69.303

■ 43, 11.312,
263.956

■ 25, 35.730, 67.507

■ 44, 14.333,
264.934

■ 24, 37.349, 66.678

■ 46, 17.283,
265.870

■ 47, 20.168,
266.765

Harmonies

Complementary

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



34, 8.845, 77.223



32, 8.463, 263.616

Rectangle

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



34, 8.845, 77.223



34, 8.845, 127.223



34, 8.845, 257.223



34, 8.845, 307.223

Sweetspot

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



34, 8.845, 77.232



47, 2.983, 79.272



31, 11.677, 347.595



24, 1.955, 79.245



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34, 8.845, 77.232



43, 13.355, 76.499



37, 13.470, 109.395



17, 1.898, 79.107



30, 43.876, 66.351



64, 78.904, 63.859

Inverse Universe

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



32, 8.463, 263.616



40, 12.622, 264.661



29, 14.212, 293.983



16, 1.875, 261.296



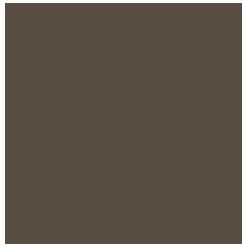
21, 39.604, 285.871



48, 75.326, 288.904

Previews

White Background



This preview shows how the CIELCh color 34, 8.845, 77.223 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, 8.845, 77.223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

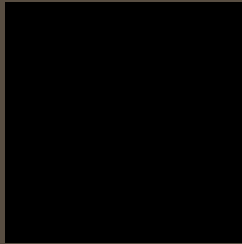
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 8.845, 77.223

Background



This preview shows how black text looks on a background with the CIELCh color 34, 8.845, 77.223.

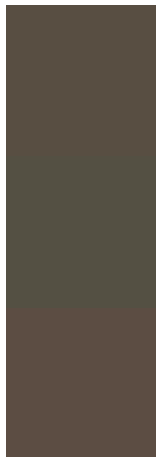


This preview shows how white text looks on a background with the CIELCh color 34, 8.845, 77.223.

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, 8.845, 77.223

Protanopia

34, 8.307, 96.005

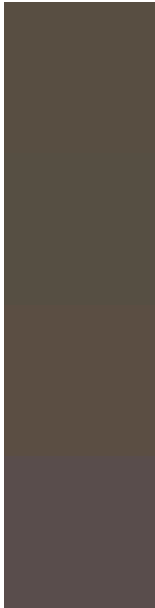
Deuteranopia

34, 9.421, 61.344



Tritanopia
34, 7.164, 348.967

Trichromacy



Original Color

34, 8.845, 77.223

Protanomaly

34, 8.163, 85.608

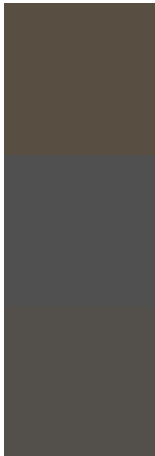
Deuteranomaly

34, 9.186, 67.924

Tritanomaly

34, 5.388, 26.789

Monochromacy



Original Color

34, 8.845, 77.223

Achromatopsia

34, 0.005, 296.813

Achromatomaly

34, 3.056, 74.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 8.845, 77.223 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(88, 78, 66)` looks like.

```
.text, #text, p{  
    color:rgb(88, 78, 66)  
}
```

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(88, 78, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 78, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 8.845, 77.223 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(88, 78, 66) }
```

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

```
.border{ border-color:rgb(88, 78, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 78, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 78, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 78, 66);  
box-shadow:4px 4px 4px 4px rgb(88, 78, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 8.845, 77.223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 78, 66) }
```

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

```
.background{ background-color: rgb(88, 78,  
66) }
```

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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