

Converting Colors

CIELCh(36, 3.663, 86.980)

Have a look what the booklet for
CIELCh(36, 3.663, 86.980) contains.

CIELCh(36, 3.550, 79.954)	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(36, 3.550, 79.954)

Conversions

Conversions Part 1

Format	Color
Hex	58544F
RGB	88, 84, 79
RGB Percent	35%, 33%, 31%
CMY	0.6544, 0.6701, 0.6897
CMYK	0.00, 0.05, 0.10, 0.65
HSL	33°, 5%, 33%
HSV	33°, 10%, 35%
XYZ	8.6331, 9.0082, 8.7052
YIQ	84.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

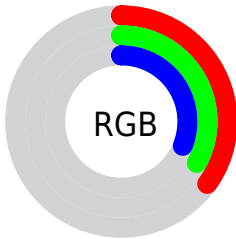
Format	Color
RYB	86, 88, 79
Decimal	5788751
CIELab	36.00, 0.62, 3.50
CIELCh	36, 3.550, 79.954
Yxy	9.0082, 0.3277, 0.3419
Android (android.graphics.Color)	4283978831 (0xFF58544F)
YUV	84.6260, -2.7736, 2.9590
Hunter-Lab	30.0136, -1.1798, 3.8128

Details

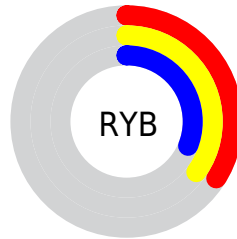
The CIELCh color **36, 3.550, 79.954** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **35, 3.502, 262.508**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 3.477, 74.490**, and **16, 3.449, 73.555** is the 20% darker color. If you saturate the color by 10%, you get **35, 7.151, 78.811**, and if you desaturate by 10%, it is **37, 0.069, 78.593**.

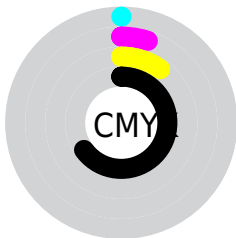
Distribution



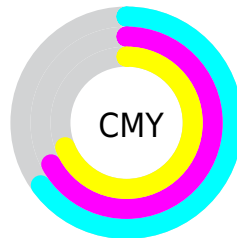
- Red (35%)
- Green (33%)
- Blue (31%)



- Red (34%)
- Yellow (35%)
- Blue (31%)



- Cyan (0%)
- Magenta (5%)
- Yellow (10%)
- Black (65%)



- Cyan (65%)
- Magenta (67%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 3.550, 79.954 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 36, 3.550, 79.954 by changing the saturation by 10% instead.

■ 36, 3.550, 79.954 ■ 36, 3.550, 79.954

■ 100, 3.550, 79.954 ■ 26, 3.550, 79.954

■ 56, 3.550, 79.954 ■ 16, 3.550, 79.954

■ 66, 3.550, 79.954 ■ 6, 3.550, 79.954

■ 76, 3.550, 79.954 ■ 0, 3.550, 79.954

■ 86, 3.550, 79.954

■ 96, 3.550, 79.954

■ 36, 3.550, 79.954 ■ 36, 3.550, 79.954

■ 35, 7.151, 78.811 ■ 37, 0.069, 78.593

■ 33, 10.876, 77.606 ■ 39, 3.301, 262.359

32, 14.726, 76.372

40, 6.570, 263.417

31, 18.687, 75.113

42, 9.746, 264.453

29, 22.725, 73.820

43, 12.840,
265.451

28, 26.767, 72.468

45, 15.859,
266.409

27, 30.668, 71.000

26, 34.142, 69.284

46, 18.811,
267.324

25, 37.218, 67.625

48, 21.703,
268.198

49, 24.540,
269.030

Harmonies

Complementary

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



36, 3.550, 79.954



35, 3.502, 262.508

Rectangle

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



36, 3.550, 79.954



36, 3.550, 129.954



36, 3.550, 259.954



36, 3.550, 309.954

Sweetspot

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



36, 3.550, 79.974



48, 1.277, 80.682



35, 4.654, 347.207



24, 0.978, 80.637



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



36, 3.550, 79.974



46, 5.205, 79.726



37, 5.536, 111.314



17, 1.914, 80.136



30, 43.807, 67.257



65, 78.648, 64.776

Inverse Universe

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



35, 3.502, 262.508



45, 5.113, 262.792



34, 5.659, 293.034



16, 1.893, 262.326



21, 40.374, 286.761



47, 76.832, 289.747

Previews

White Background



This preview shows how the CIELCh color 36, 3.550, 79.954 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 36, 3.550, 79.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

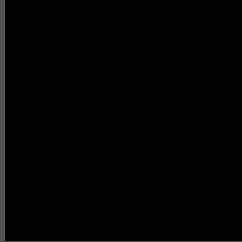
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

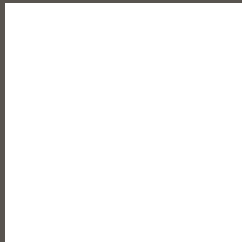
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 3.550, 79.954

Background



This preview shows how black text looks on a background with the CIELCh color 36, 3.550, 79.954.



This preview shows how white text looks on a background with the CIELCh color 36, 3.550, 79.954.

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

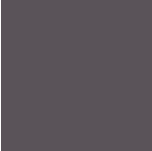
36, 3.550, 79.954

Protanopia

36, 3.355, 86.544

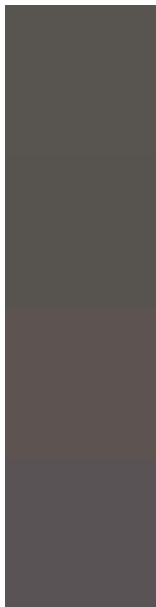
Deuteranopia

36, 5.895, 32.222



Tritanopia
36, 4.785, 329.002

Trichromacy



Original Color

36, 3.550, 79.954

Protanomaly

36, 3.355, 86.544

Deuteranomaly

36, 4.791, 42.625

Tritanomaly

36, 2.872, 354.175

Monochromacy



Original Color

36, 3.550, 79.954

Achromatopsia

36, 0.005, 296.813

Achromatomaly

36, 1.302, 90.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 3.550, 79.954 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, 84, 79)` looks like.

```
.text, #text, p{  
    color:rgb(88, 84, 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(88, 84, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 84, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 3.550, 79.954 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, 84, 79) }
```

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

```
.border{ border-color:rgb(88, 84, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 84, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 84, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 84, 79);  
box-shadow:4px 4px 4px 4px rgb(88, 84, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 3.550, 79.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 84, 79) }
```

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

```
.background{ background-color: rgb(88, 84,  
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](#).

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