

Converting Colors

CIELCh(36, 3.840, 100.471)

Have a look what the booklet for
CIELCh(36, 3.840, 100.471) contains.

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Color

CIELCh(36, 3.730, 102.811)

Conversions

Conversions Part 1

Format	Color
Hex	56554F
RGB	86, 85, 79
RGB Percent	34%, 33%, 31%
CMY	0.6633, 0.6672, 0.6908
CMYK	0.00, 0.01, 0.08, 0.66
HSL	51°, 4%, 32%
HSV	51°, 8%, 34%
XYZ	8.4676, 9.0082, 8.6624
YIQ	84.6150, 2.5220, -1.6540

Conversions

Conversions Part 2

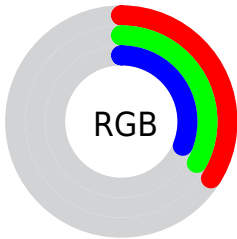
Format	Color
R_{YB}	80, 86, 79
Decimal	5657935
CIE Lab	36.00, -0.83, 3.64
CIE LCh	36, 3.730, 102.811
Yxy	9.0082, 0.3240, 0.3446
Android (android.graphics.Color)	4283848015 (0xFF56554F)
YUV	84.6150, -2.7682, 1.2146
Hunter-Lab	30.0136, -2.1647, 3.8975

Details

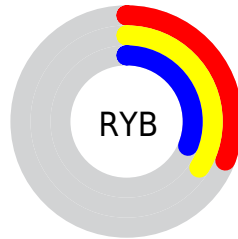
The CIELCh color **36, 3.730, 102.811** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **34, 3.779, 284.503**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 4.003, 103.939**, and **16, 3.520, 101.038** is the 20% darker color. If you saturate the color by 10%, you get **35, 8.327, 101.826**, and if you desaturate by 10%, it is **37, 0.851, 283.906**.

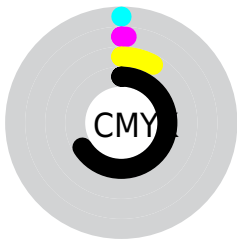
Distribution



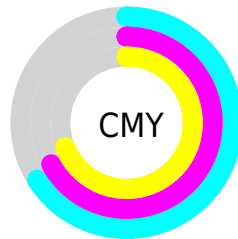
- Red (34%)
- Green (33%)
- Blue (31%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (66%)



- Cyan (66%)
- Magenta (67%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 3.730, 102.811 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, 3.730, 102.811 by changing the saturation by 10% instead.

■ 36, 3.730, 102.811 ■ 36, 3.730, 102.811

■ 100, 3.730,
102.811 ■ 26, 3.730, 102.811

■ 56, 3.730, 102.811 ■ 16, 3.730, 102.811

■ 66, 3.730, 102.811 ■ 6, 3.730, 102.811

■ 76, 3.730, 102.811 ■ 0, 3.730, 102.811

■ 86, 3.730, 102.811

■ 96, 3.730, 102.811

■ 36, 3.730, 102.811 ■ 36, 3.730, 102.811

■ 35, 8.327, 101.826 ■ 37, 0.851, 283.906

35, 12.920,
100.800

37, 5.409, 284.789

34, 17.480, 99.759

38, 9.937, 285.699

34, 21.960, 98.713

39, 14.430,
286.575

33, 26.283, 97.671

39, 18.887,
287.413

33, 30.330, 96.643

40, 23.307,
288.213

32, 33.924, 95.634

41, 27.690,
288.972

32, 36.824, 94.646

31, 39.519, 93.703

42, 32.035,
289.693

42, 36.342,
290.375

Harmonies

Complementary

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



36, 3.730, 102.811



34, 3.779, 284.503

Rectangle

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



36, 3.730, 102.811



36, 3.730, 152.811



36, 3.730, 282.811



36, 3.730, 332.811

Sweetspot

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



36, 3.731, 102.825



47, 1.136, 103.371



34, 3.126, 7.707



23, 0.638, 103.383



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



36, 3.731, 102.825



47, 5.713, 102.610



36, 4.462, 123.284



17, 2.583, 102.762



39, 46.666, 93.237



82, 82.522, 92.507

Inverse Universe

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



34, 3.779, 284.503



44, 5.801, 284.743



34, 4.528, 304.061



16, 2.618, 284.572



12, 62.838, 302.933



32, 117.303, 304.365

Previews

White Background



This preview shows how the CIELCh color 36, 3.730, 102.811 looks on a white background.

Color Contrast Check

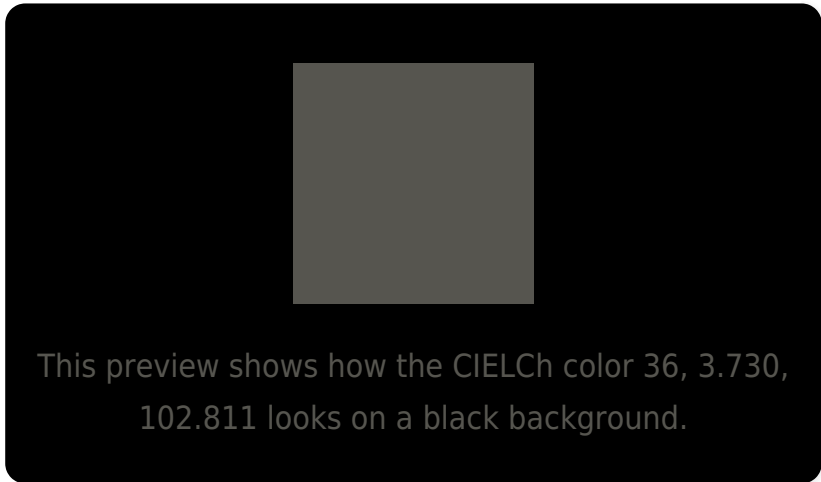
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

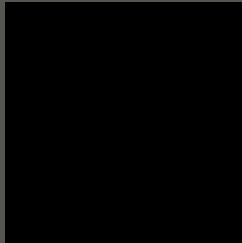
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

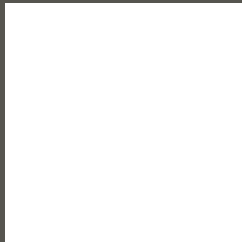
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 3.730, 102.811

Background



This preview shows how black text looks on a background with the CIELCh color 36, 3.730, 102.811.



This preview shows how white text looks on a background with the CIELCh color 36, 3.730, 102.811.

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, 3.730, 102.811

Protanopia

36, 3.550, 79.954

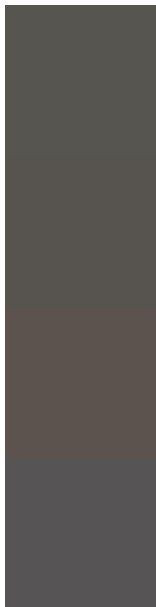
Deuteranopia

36, 6.081, 37.831



Tritanopia
36, 4.688, 311.809

Trichromacy



Original Color
36, 3.730, 102.811

Protanomaly
36, 3.355, 86.544

Deuteranomaly
36, 4.690, 51.571

Tritanomaly
36, 1.795, 335.779

Monochromacy



Original Color
36, 3.730, 102.811

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 1.305, 90.630

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 3.730, 102.811 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(86, 85, 79)` looks like.

```
.text, #text, p{  
    color:rgb(86, 85, 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(86, 85, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 85, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 3.730, 102.811 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(86, 85, 79) }
```

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

```
.border{ border-color:rgb(86, 85, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 85, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 85, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 85, 79);  
box-shadow:4px 4px 4px 4px rgb(86, 85, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 3.730, 102.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 85, 79) }
```

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

```
.background{ background-color: rgb(86, 85,  
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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