

Converting Colors

CIELCh(36, 1.660, 353.879)

Have a look what the booklet for
CIELCh(36, 1.660, 353.879) contains.

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Color

CIELCh(36, 1.434, 353.802)

Conversions

Conversions Part 1

Format	Color
Hex	575455
RGB	87, 84, 85
RGB Percent	34%, 33%, 33%
CMY	0.6591, 0.6708, 0.6669
CMYK	0.00, 0.03, 0.02, 0.66
HSL	340°, 2%, 34%
HSV	340°, 3%, 34%
XYZ	8.7264, 9.0082, 9.8593
YIQ	85.0110, 1.4670, 0.9470

Conversions

Conversions Part 2

Format	Color
R _Y B	87, 84, 85
Decimal	5723221
CIE Lab	36.00, 1.43, -0.15
CIE LCh	36, 1.434, 353.802
Yxy	9.0082, 0.3162, 0.3265
Android (android.graphics.Color)	4283913301 (0xFF575455)
YUV	85.0110, -0.0054, 1.7444
Hunter-Lab	30.0136, -0.6252, 1.5332

Details

The CIELCh color $[36, 1.434, 353.802]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[37, 1.416, 173.611]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 1.962, 343.724]$, and $[16, 1.621, 354.119]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 5.682, 354.856]$, and if you desaturate by 10%, it is $[39, 2.662, 173.300]$.

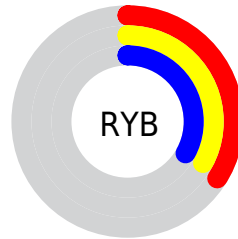
Distribution



Red (34%)

Green (33%)

Blue (33%)



Red (34%)

Yellow (33%)

Blue (33%)



Cyan (0%)

Magenta (3%)

Yellow (2%)

Black (66%)



Cyan (66%)

Magenta (67%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 1.434, 353.802 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, 1.434, 353.802 by changing the saturation by 10% instead.

■ 36, 1.434, 353.802

■ 36, 1.434, 353.802

100, 1.434,
353.802

■ 26, 1.434, 353.802

■ 56, 1.434, 353.802

■ 16, 1.434, 353.802

■ 66, 1.434, 353.802

■ 6, 1.434, 353.802

■ 76, 1.434, 353.802

■ 0, 1.434, 353.802

■ 86, 1.434, 353.802

■ 96, 1.434, 353.802

■ 36, 1.434, 353.802

■ 36, 1.434, 353.802

■ 33, 5.682, 354.856

■ 39, 2.662, 173.300

31, 10.064,
355.893

42, 6.595, 172.522

28, 14.534,
357.073

44, 10.368,
171.853

25, 19.019,
358.450

47, 13.985,
171.248

23, 23.409, 0.091

50, 17.459,
170.694

21, 27.555, 2.082

53, 20.798,
170.183

19, 31.281, 4.539

56, 24.014,
169.710

18, 34.419, 7.596

17, 37.012, 11.219

59, 27.118,
169.270

61, 30.120,
168.860

Harmonies

Complementary

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



36, 1.434, 353.802



37, 1.416, 173.611

Rectangle

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



36, 1.434, 353.802



36, 1.434, 43.802



36, 1.434, 173.802



36, 1.434, 223.802

Sweetspot

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



36, 1.433, 353.825



47, 0.513, 353.207



36, 2.059, 314.753



23, 0.289, 353.132



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, 1.433, 353.825



46, 2.054, 353.913



36, 1.113, 35.398



17, 1.162, 353.944



21, 45.153, 15.003



50, 81.487, 19.022

Inverse Universe

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



36, 1.433, 353.825



46, 2.054, 353.913



37, 1.093, 215.988



17, 1.162, 353.944



21, 45.153, 15.003



50, 81.487, 19.022

Previews

White Background



This preview shows how the CIE LCh color 36, 1.434, 353.802 looks on a white background.

Color Contrast Check

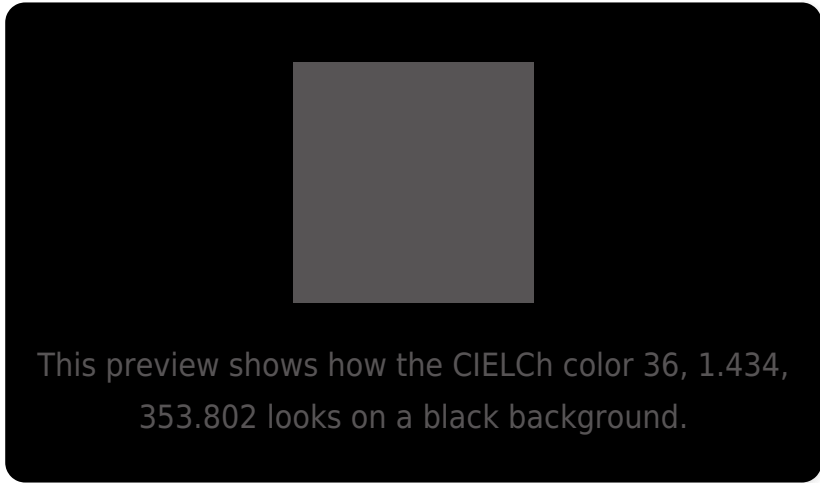
Large Text (above 18pt) WCAG AA ✓ Pass

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

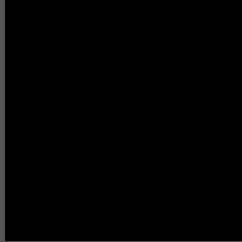
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 1.434, 353.802

Background



This preview shows how black text looks on a background with the CIELCh color 36, 1.434, 353.802.



This preview shows how white text looks on a background with the CIELCh color 36, 1.434, 353.802.

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, 1.434, 353.802

Protanopia

36, 1.065, 343.617

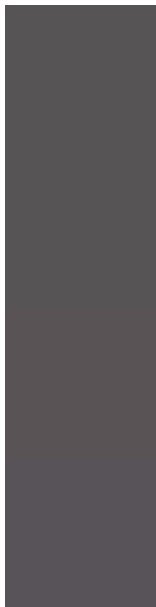
Deuteranopia

36, 4.712, 356.863



Tritanopia
36, 4.856, 316.462

Trichromacy



Original Color

36, 1.434, 353.802

Protanomaly

36, 1.065, 343.617

Deuteranomaly

36, 3.268, 357.549

Tritanomaly

36, 3.782, 324.690

Monochromacy



Original Color

36, 1.434, 353.802

Achromatopsia

36, 0.005, 296.813

Achromatomaly

36, 0.428, 18.770

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 1.434, 353.802 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(87, 84, 85)` looks like.

```
.text, #text, p{  
    color:rgb(87, 84, 85)  
}
```

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(87, 84, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 84, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 1.434, 353.802 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(87, 84, 85) }
```

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

```
.border{ border-color:rgb(87, 84, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 84, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 84, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 84, 85);  
box-shadow:4px 4px 4px 4px rgb(87, 84, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 1.434, 353.802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 84, 85) }
```

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

```
.background{ background-color: rgb(87, 84,  
85) }
```

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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