

Converting Colors

CIELCh(36, 1.002, 199.588)

Have a look what the booklet for
CIELCh(36, 1.002, 199.588) contains.

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Color

CIELCh(36, 0.847, 199.637)

Conversions

Conversions Part 1

Format	Color
Hex	535555
RGB	83, 85, 85
RGB Percent	33%, 33%, 33%
CMY	0.6742, 0.6664, 0.6664
CMYK	0.02, 0.00, 0.00, 0.67
HSL	180°, 1%, 33%
HSV	180°, 2%, 33%
XYZ	8.4709, 9.0082, 9.9021
YIQ	84.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

Format	Color
RYB	83, 84, 85
Decimal	5461333
CIELab	36.00, -0.80, -0.28
CIELCh	36, 0.847, 199.637
Yxy	9.0082, 0.3094, 0.3290
Android (android.graphics.Color)	4283651413 (0xFF535555)
YUV	84.4020, 0.2948, -1.2296
Hunter-Lab	30.0136, -2.1448, 1.4486

Details

The CIELCh color **36, 0.847, 199.637** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **36, 0.860, 19.124**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 1.171, 199.639**, and **16, 0.953, 199.379** is the 20% darker color. If you saturate the color by 10%, you get **35, 4.358, 198.795**, and if you desaturate by 10%, it is **37, 2.809, 19.636**.

Distribution



Red (33%)

Green (33%)

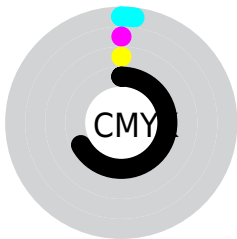
Blue (33%)



Red (33%)

Yellow (33%)

Blue (33%)



Cyan (2%)

Magenta (0%)

Yellow (0%)

Black (67%)



Cyan (67%)

Magenta (67%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 0.847, 199.637 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, 0.847, 199.637 by changing the saturation by 10% instead.

■ 36, 0.847, 199.637

■ 36, 0.847, 199.637

■ 100, 0.847,
199.637

■ 26, 0.847, 199.637

■ 56, 0.847, 199.637

■ 16, 0.847, 199.637

■ 66, 0.847, 199.637

■ 6, 0.847, 199.637

■ 76, 0.847, 199.637

■ 0, 0.847, 199.637

■ 86, 0.847, 199.637

■ 96, 0.847, 199.637

■ 36, 0.847, 199.637

■ 36, 0.847, 199.637

■ 35, 4.358, 198.795

■ 37, 2.809, 19.636

■ 35, 7.676, 198.304

■ 38, 6.573, 20.239

■ 34, 10.755,
197.871

■ 39, 10.408, 20.814

■ 34, 13.545,
197.488

■ 40, 14.288, 21.390

■ 41, 18.188, 21.968

■ 33, 16.000,
197.156

■ 42, 22.089, 22.546

■ 33, 18.080,
196.877

■ 43, 25.979, 23.121

■ 44, 29.845, 23.690

■ 33, 19.758,
196.654

■ 45, 33.681, 24.250

■ 32, 21.022,
196.485

■ 32, 21.914,
196.363

Harmonies

Complementary

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



36, 0.847, 199.637



36, 0.860, 19.124

Rectangle

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



36, 0.847, 199.637



36, 0.847, 249.637



36, 0.847, 19.637



36, 0.847, 69.637

Sweetspot

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



36, 0.848, 199.572



46, 0.445, 200.087



36, 1.504, 143.974



24, 0.255, 200.179



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, 0.848, 199.572



46, 1.332, 199.450



36, 0.742, 254.126



18, 0.818, 199.397



41, 26.482, 196.273



85, 47.077, 196.266

Inverse Universe

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



36, 0.860, 19.124



45, 1.356, 19.249



36, 0.739, 73.060



17, 0.835, 19.305



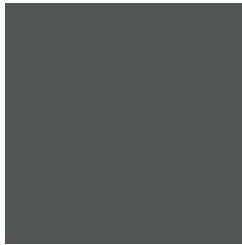
21, 52.664, 36.542



49, 98.149, 39.976

Previews

White Background



This preview shows how the CIELCh color 36, 0.847, 199.637 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 CIELCh color 36, 0.847, 199.637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

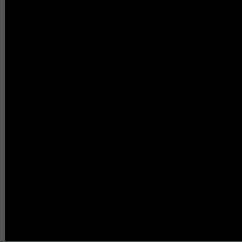
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

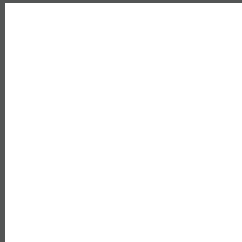
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 0.847, 199.637

Background



This preview shows how black text looks on a background with the CIELCh color 36, 0.847, 199.637.



This preview shows how white text looks on a background with the CIELCh color 36, 0.847, 199.637.

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, 0.847, 199.637

Protanopia

36, 1.065, 343.617

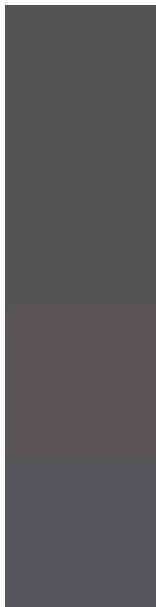
Deuteranopia

36, 4.979, 350.281



Tritanopia
36, 4.352, 290.903

Trichromacy



Original Color

36, 0.847, 199.637

Protanomaly

36, 0.762, 324.319

Deuteranomaly

36, 3.187, 344.091

Tritanomaly

36, 3.110, 290.703

Monochromacy



Original Color

36, 0.847, 199.637

Achromatopsia

36, 0.005, 296.813

Achromatomaly

36, 0.005, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 0.847, 199.637 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(83, 85, 85)` looks like.

```
.text, #text, p{  
    color:rgb(83, 85, 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(83, 85, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 85, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 0.847, 199.637 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(83, 85, 85) }
```

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

```
.border{ border-color:rgb(83, 85, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 85, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 85, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 85, 85);  
box-shadow:4px 4px 4px 4px rgb(83, 85, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 0.847, 199.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 85, 85) }
```

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

```
.background{ background-color: rgb(83, 85,  
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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