

Converting Colors

CIELCh(36, 8.667, 36.327)

Have a look what the booklet for
CIELCh(36, 8.667, 36.327) contains.

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Color

CIELCh(36, 8.510, 37.263)

Conversions

Conversions Part 1

Format	Color
Hex	63514D
RGB	99, 81, 77
RGB Percent	39%, 32%, 30%
CMY	0.6130, 0.6835, 0.6992
CMYK	0.00, 0.18, 0.22, 0.61
HSL	11°, 13%, 34%
HSV	11°, 22%, 39%
XYZ	9.3618, 9.0082, 8.2126
YIQ	85.9260, 12.0120, 2.5720

Conversions

Conversions Part 2

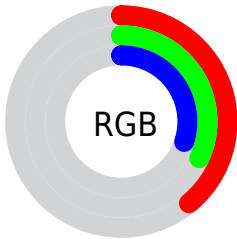
Format	Color
RYB	99, 82, 77
Decimal	6508877
CIELab	36.00, 6.77, 5.15
CIElCh	36, 8.510, 37.263
Yxy	9.0082, 0.3522, 0.3389
Android (android.graphics.Color)	4284698957 (0xFF63514D)
YUV	85.9260, -4.4005, 11.4659
Hunter-Lab	30.0136, 3.1539, 4.7861

Details

The CIELCh color **36, 8.510, 37.263** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 7.403, 218.021**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 8.518, 35.635**, and **16, 8.670, 35.133** is the 20% darker color. If you saturate the color by 10%, you get **33, 12.822, 37.428**, and if you desaturate by 10%, it is **39, 4.510, 37.221**.

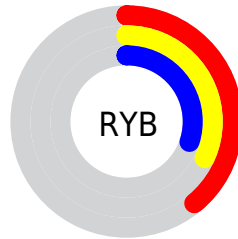
Distribution



 Red (39%)

 Green (32%)

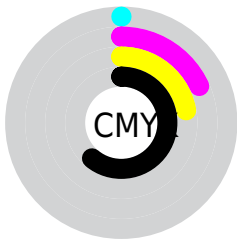
 Blue (30%)



 Red (39%)

 Yellow (32%)

 Blue (30%)

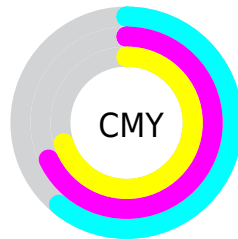


 Cyan (0%)

 Magenta (18%)

 Yellow (22%)

 Black (61%)



 Cyan (61%)

 Magenta (68%)


 Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 8.510, 37.263 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, 8.510, 37.263 by changing the saturation by 10% instead.

 36, 8.510, 37.263  36, 8.510, 37.263

 100, 8.510, 37.263  26, 8.510, 37.263

 56, 8.510, 37.263  16, 8.510, 37.263

 66, 8.510, 37.263  6, 8.510, 37.263

 76, 8.510, 37.263  0, 8.510, 37.263

 86, 8.510, 37.263

 96, 8.510, 37.263

 36, 8.510, 37.263  36, 8.510, 37.263

 33, 12.822, 37.428  39, 4.510, 37.221

 31, 17.460, 37.734  41, 0.804, 36.967

■ 29, 22.422, 38.230

■ 44, 2.636, 217.652

■ 27, 27.676, 38.945

■ 47, 5.836, 217.793

■ 25, 33.148, 39.885

■ 49, 8.821, 218.022

■ 23, 38.680, 40.992

■ 52, 11.618,
218.291

■ 21, 43.321, 41.148

■ 55, 14.246,
218.582

■ 20, 46.356, 41.250

■ 57, 16.728,
218.887

■ 60, 19.079,
219.201

Harmonies

Complementary

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



36, 8.510, 37.263



39, 7.403, 218.021

Rectangle

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



36, 8.510, 37.263



36, 8.510, 87.263



36, 8.510, 217.263



36, 8.510, 267.263

Sweetspot

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



36, 8.509, 37.272



51, 3.114, 37.198



35, 14.635, 330.657



26, 2.008, 37.201



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



36, 8.509, 37.272



45, 13.010, 37.342



39, 9.521, 88.481



19, 2.003, 37.210



24, 52.083, 42.132



52, 95.881, 42.609

Inverse Universe

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



39, 7.403, 218.021



49, 10.887, 218.262



36, 9.479, 274.111



19, 1.902, 217.664



36, 23.785, 229.873



73, 41.678, 232.265

Previews

White Background



This preview shows how the CIELCh color 36, 8.510, 37.263 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, 8.510, 37.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

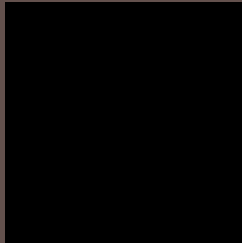
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 8.510, 37.263

Background



This preview shows how black text looks on a background with the CIELCh color 36, 8.510, 37.263.

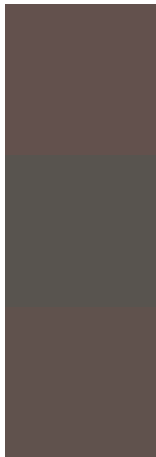


This preview shows how white text looks on a background with the CIELCh color 36, 8.510, 37.263.

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, 8.510, 37.263

Protanopia

36, 3.550, 79.954

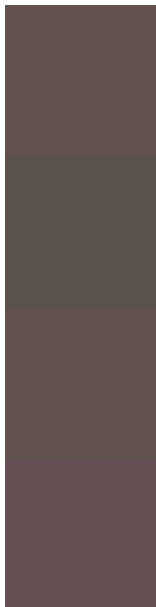
Deuteranopia

36, 7.026, 46.140



Tritanopia
36, 10.090, 355.646

Trichromacy



Original Color
36, 8.510, 37.263

Protanomaly
36, 5.059, 57.372

Deuteranomaly
36, 7.443, 44.632

Tritanomaly
36, 8.991, 8.926

Monochromacy



Original Color
36, 8.510, 37.263

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 3.103, 31.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 8.510, 37.263 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(99, 81, 77)` looks like.

```
.text, #text, p{  
    color:rgb(99, 81, 77)  
}
```

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(99, 81, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 81, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 8.510, 37.263 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(99, 81, 77) }
```

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

```
.border{ border-color:rgb(99, 81, 77) }
```

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

Here you see how a box with a 4 pixel rgb(99, 81, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 81, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 81, 77);  
box-shadow:4px 4px 4px 4px rgb(99, 81, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 8.510, 37.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 81, 77) }
```

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

```
.background{ background-color: rgb(99, 81,  
77) }
```

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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