

Converting Colors

CIELCh(36, 10.070, 93.435)

Have a look what the booklet for
CIELCh(36, 10.070, 93.435) contains.

CIELCh(36, 9.670, 92.083)	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, 9.670, 92.083)

Conversions

Conversions Part 1

Format	Color
Hex	5A5445
RGB	90, 84, 69
RGB Percent	35%, 33%, 27%
CMY	0.6459, 0.6694, 0.7283
CMYK	0.00, 0.07, 0.23, 0.65
HSL	43°, 13%, 31%
HSV	43°, 23%, 35%
XYZ	8.5218, 9.0082, 6.9663
YIQ	84.0840, 8.3910, -3.3930

Conversions

Conversions Part 2

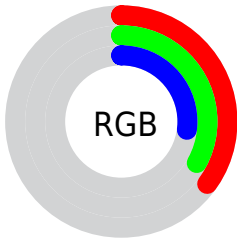
Format	Color
R_{YB}	77, 90, 69
Decimal	5919813
CIE Lab	36.00, -0.35, 9.66
CIE LCh	36, 9.670, 92.083
Yxy	9.0082, 0.3479, 0.3677
Android (android.graphics.Color)	4284109893 (0xFF5A5445)
YUV	84.0840, -7.4364, 5.1883
Hunter-Lab	30.0136, -1.8422, 7.2480




Details

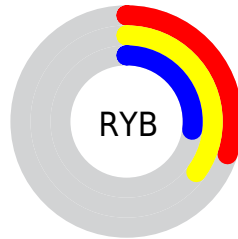
The CIELCh color **36, 9.670, 92.083** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **32, 9.737, 277.760**, and the grayscale version is **36, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 9.572, 91.390**, and **16, 9.453, 91.179** is the 20% darker color. If you saturate the color by 10%, you get **35, 13.914, 90.899**, and if you desaturate by 10%, it is **37, 5.474, 93.242**.

Distribution







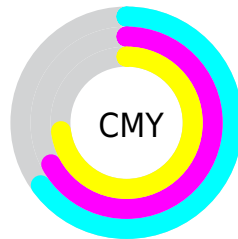
-  Red (35%)
-  Green (33%)
-  Blue (27%)






-  Red (30%)
-  Yellow (35%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (7%)
-  Yellow (23%)
-  Black (65%)



-  Cyan (65%)
-  Magenta (67%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 9.670, 92.083 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, 9.670, 92.083 by changing the saturation by 10% instead.

■ 36, 9.670, 92.083 ■ 36, 9.670, 92.083

■ 100, 9.670, 92.083 ■ 26, 9.670, 92.083

■ 56, 9.670, 92.083 ■ 16, 9.670, 92.083

■ 66, 9.670, 92.083 ■ 6, 9.670, 92.083

■ 76, 9.670, 92.083 ■ 0, 9.670, 92.083

■ 86, 9.670, 92.083

■ 96, 9.670, 92.083

■ 36, 9.670, 92.083 ■ 36, 9.670, 92.083

■ 35, 13.914, 90.899 ■ 37, 5.474, 93.242

■ 34, 18.181, 89.676 ■ 38, 1.335, 94.300

■ 33, 22.429, 88.421

■ 39, 2.742, 275.517

■ 32, 26.579, 87.129

■ 40, 6.756, 276.534

■ 31, 30.498, 85.785

■ 41, 10.711,
277.527

■ 31, 33.972, 84.351

■ 42, 14.608,
278.479

■ 30, 36.861, 82.814

■ 29, 38.996, 81.918

■ 43, 18.452,
279.387

■ 45, 22.244,
280.251

■ 46, 25.990,
281.072

Harmonies

Complementary

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



36, 9.670, 92.083



32, 9.737, 277.760

Rectangle

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



36, 9.670, 92.083



36, 9.670, 142.083



36, 9.670, 272.083



36, 9.670, 322.083

Sweetspot

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



36, 9.671, 92.090



48, 3.563, 93.909



32, 10.154, 358.161



24, 2.292, 93.884



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, 9.671, 92.090



46, 14.489, 91.425



37, 12.969, 116.526



18, 2.334, 93.734



36, 44.737, 81.343



74, 78.548, 79.697

Inverse Universe

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



32, 9.737, 277.760



40, 14.615, 278.646



31, 13.583, 299.668



17, 2.345, 275.806



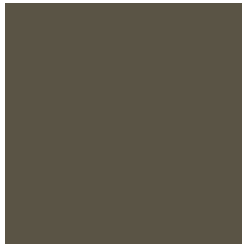
16, 53.751, 297.400



38, 101.064, 299.562

Previews

White Background



This preview shows how the CIE LCh color 36, 9.670, 92.083 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, 9.670, 92.083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

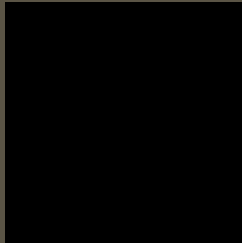
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 9.670, 92.083

Background



This preview shows how black text looks on a background with the CIELCh color 36, 9.670, 92.083.

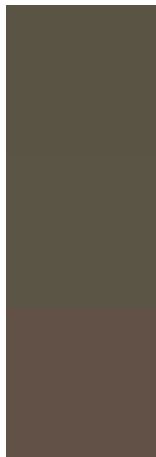


This preview shows how white text looks on a background with the CIELCh color 36, 9.670, 92.083.

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

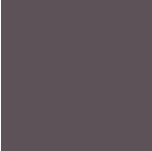
36, 9.670, 92.083

Protanopia

36, 10.128, 95.448

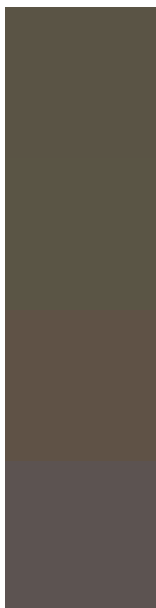
Deuteranopia

36, 10.477, 60.395



Tritanopia
36, 6.014, 342.125

Trichromacy



Original Color
36, 9.670, 92.083

Protanomaly
36, 10.128, 95.448

Deuteranomaly
36, 9.587, 70.262

Tritanomaly
36, 4.139, 37.211

Monochromacy



Original Color
36, 9.670, 92.083

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 3.210, 93.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 9.670, 92.083 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(90, 84, 69)` looks like.

```
.text, #text, p{  
    color:rgb(90, 84, 69)  
}
```

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(90, 84, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 84, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 9.670, 92.083 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(90, 84, 69) }
```

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

```
.border{ border-color:rgb(90, 84, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 84, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 84, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 84, 69);  
box-shadow:4px 4px 4px 4px rgb(90, 84, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 9.670, 92.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 84, 69) }
```

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

```
.background{ background-color: rgb(90, 84,  
69) }
```

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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