

Converting Colors

CIELCh(36, 9.451, 35.749)

Have a look what the booklet for
CIELCh(36, 9.451, 35.749) contains.

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Color

CIELCh(36, 9.427, 35.745)

Conversions

Conversions Part 1

Format	Color
Hex	64504C
RGB	100, 80, 76
RGB Percent	39%, 31%, 30%
CMY	0.6071, 0.6856, 0.7013
CMYK	0.00, 0.20, 0.24, 0.61
HSL	10°, 14%, 35%
HSV	10°, 24%, 39%
XYZ	9.4691, 9.0082, 8.1097
YIQ	85.5240, 13.2040, 2.9960

Conversions

Conversions Part 2

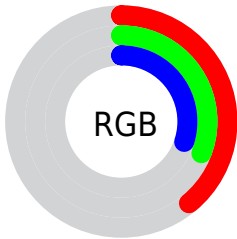
Format	Color
R_{YB}	100, 81, 76
Decimal	6574156
CIE Lab	36.00, 7.65, 5.51
CIE LCh	36, 9.427, 35.745
Yxy	9.0082, 0.3562, 0.3388
Android (android.graphics.Color)	4284764236 (0xFF64504C)
YUV	85.5240, -4.6953, 12.6955
Hunter-Lab	30.0136, 3.7917, 4.9894




Details

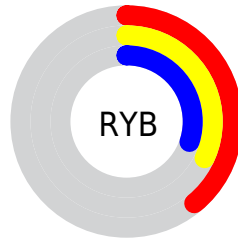
The CIELCh color **36, 9.427, 35.745** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 8.093, 216.212**, and the grayscale version is **36, 0.005, 296.813**.




A 20% lighter version of the original color is **56, 9.346, 34.336**, and **16, 9.767, 33.867** is the 20% darker color. If you saturate the color by 10%, you get **33, 13.894, 36.014**, and if you desaturate by 10%, it is **39, 5.282, 35.615**.

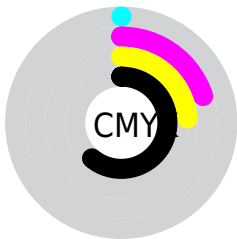
Distribution







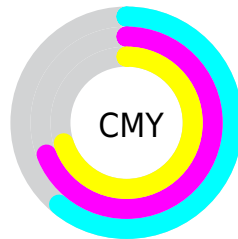
-  Red (39%)
-  Green (31%)
-  Blue (30%)






-  Red (39%)
-  Yellow (32%)
-  Blue (30%)



-  Cyan (0%)
-  Magenta (20%)
-  Yellow (24%)
-  Black (61%)



-  Cyan (61%)
-  Magenta (69%)
-  Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 9.427, 35.745 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, 9.427, 35.745 by changing the saturation by 10% instead.

 36, 9.427, 35.745  36, 9.427, 35.745

 100, 9.427, 35.745  26, 9.427, 35.745

 56, 9.427, 35.745  16, 9.427, 35.745

 66, 9.427, 35.745  6, 9.427, 35.745

 76, 9.427, 35.745  0, 9.427, 35.745

 86, 9.427, 35.745

 96, 9.427, 35.745

 36, 9.427, 35.745  36, 9.427, 35.745

 33, 13.894, 36.014  39, 5.282, 35.615

 31, 18.695, 36.445  41, 1.443, 35.445

■ 29, 23.818, 37.085

■ 44, 2.118, 215.913

■ 26, 29.224, 37.966

■ 47, 5.426, 215.959

■ 24, 34.821, 39.091

■ 50, 8.509, 216.125

■ 23, 40.408, 40.357

■ 52, 11.393,
216.336

■ 21, 44.899, 40.528

■ 55, 14.100,
216.575

■ 20, 47.262, 40.759

■ 58, 16.652,
216.832

■ 61, 19.067,
217.100

Harmonies

Complementary

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



36, 9.427, 35.745



39, 8.093, 216.212

Rectangle

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



36, 9.427, 35.745



36, 9.427, 85.745



36, 9.427, 215.745



36, 9.427, 265.745

Sweetspot

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



36, 9.426, 35.754



52, 3.196, 35.541



36, 15.947, 330.760



27, 2.096, 35.546



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



36, 9.426, 35.754



45, 14.464, 35.889



39, 10.390, 88.270



20, 2.113, 35.565



24, 53.418, 41.702



52, 97.199, 42.217

Inverse Universe

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



39, 8.093, 216.212



50, 11.903, 216.438



36, 10.338, 274.384



20, 2.005, 215.901



37, 24.151, 226.800



75, 41.892, 228.919

Previews

White Background



This preview shows how the CIELCh color 36, 9.427, 35.745 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, 9.427, 35.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

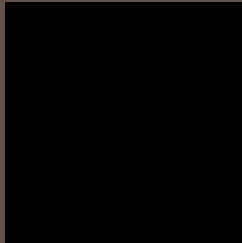
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 9.427, 35.745

Background



This preview shows how black text looks on a background with the CIELCh color 36, 9.427, 35.745.

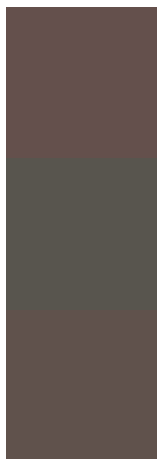


This preview shows how white text looks on a background with the CIELCh color 36, 9.427, 35.745.

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, 9.427, 35.745

Protanopia

36, 4.515, 92.398

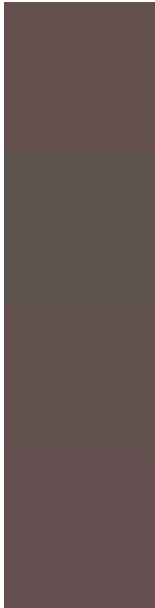
Deuteranopia

36, 7.346, 50.311



Tritanopia
36, 10.288, 359.960

Trichromacy



Original Color

36, 9.427, 35.745

Protanomaly

36, 5.474, 62.323

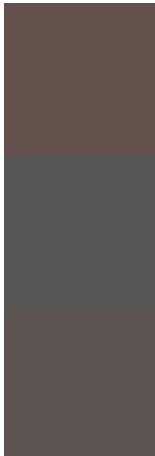
Deuteranomaly

36, 8.315, 42.087

Tritanomaly

36, 9.897, 10.182

Monochromacy



Original Color

36, 9.427, 35.745

Achromatopsia

37, 0.005, 296.813

Achromatomaly

36, 3.292, 41.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 9.427, 35.745 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(100, 80, 76)` looks like.

```
.text, #text, p{  
    color:rgb(100, 80, 76)  
}
```

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(100, 80, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 80, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 9.427, 35.745 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(100, 80, 76) }
```

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

```
.border{ border-color:rgb(100, 80, 76) }
```

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

Here you see how a box with a 4 pixel rgb(100, 80, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 80, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 80, 76);  
box-shadow:4px 4px 4px 4px rgb(100, 80,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 9.427, 35.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 80, 76) }
```

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

```
.background{ background-color: rgb(100, 80,  
76) }
```

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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