

Converting Colors

CIELCh(36, 5.850, 80.176)

Have a look what the booklet for
CIELCh(36, 5.850, 80.176) contains.

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Color

CIELCh(36, 5.623, 80.882)

Conversions

Conversions Part 1

Format	Color
Hex	5A544C
RGB	90, 84, 76
RGB Percent	35%, 33%, 30%
CMY	0.6476, 0.6711, 0.7025
CMYK	0.00, 0.07, 0.16, 0.65
HSL	34°, 8%, 32%
HSV	34°, 16%, 35%
XYZ	8.6645, 9.0082, 8.0967
YIQ	84.8820, 6.1440, -1.2160

Conversions

Conversions Part 2

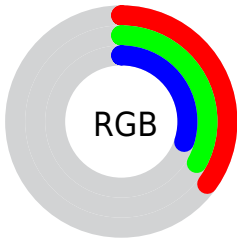
Format	Color
R_{YB}	87, 90, 76
Decimal	5919820
CIE Lab	36.00, 0.89, 5.55
CIE LCh	36, 5.623, 80.882
Yxy	9.0082, 0.3362, 0.3496
Android (android.graphics.Color)	4284109900 (0xFF5A544C)
YUV	84.8820, -4.3788, 4.4885
Hunter-Lab	30.0136, -0.9933, 5.0150

Details

The CIELCh color $[36, 5.623, 80.882]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[35, 5.511, 264.782]$, and the grayscale version is $[36, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 5.367, 77.598]$, and $[16, 5.540, 81.012]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 9.387, 79.694]$, and if you desaturate by 10%, it is $[37, 1.978, 82.020]$.

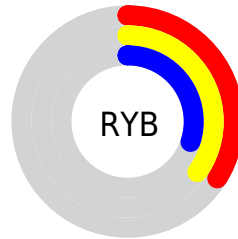
Distribution



Red (35%)

Green (33%)

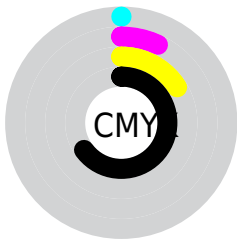
Blue (30%)



Red (34%)

Yellow (35%)

Blue (30%)

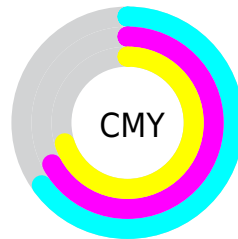


Cyan (0%)

Magenta (7%)

Yellow (16%)

Black (65%)



Cyan (65%)

Magenta (67%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 5.623, 80.882 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, 5.623, 80.882 by changing the saturation by 10% instead.

 36, 5.623, 80.882  36, 5.623, 80.882

 100, 5.623, 80.882  26, 5.623, 80.882

 56, 5.623, 80.882  16, 5.623, 80.882

 66, 5.623, 80.882  6, 5.623, 80.882


 76, 5.623, 80.882  0, 5.623, 80.882

 86, 5.623, 80.882

 96, 5.623, 80.882

 36, 5.623, 80.882  36, 5.623, 80.882

 35, 9.387, 79.694  37, 1.978, 82.020

 33, 13.269, 78.459  39, 1.555, 263.369

■ 32, 17.261, 77.195

■ 40, 4.985, 264.402

■ 31, 21.339, 75.899

■ 42, 8.320, 265.457

■ 29, 25.444, 74.555

■ 43, 11.570,
266.478

■ 28, 29.462, 73.124

■ 45, 14.742,
267.459

■ 27, 33.185, 71.523

■ 26, 36.447, 69.757

■ 46, 17.844,
268.396

■ 25, 37.871, 69.057

■ 48, 20.883,
269.290

■ 49, 23.866,
270.142

Harmonies

Complementary

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



36, 5.623, 80.882



35, 5.511, 264.782

Rectangle

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



36, 5.623, 80.882



36, 5.623, 130.882



36, 5.623, 260.882



36, 5.623, 310.882

Sweetspot

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



36, 5.623, 80.895



48, 2.208, 82.061



34, 7.184, 348.682



24, 1.493, 82.018



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, 5.623, 80.895



46, 8.602, 80.414



38, 8.574, 111.564



18, 2.036, 81.669



31, 44.503, 68.580



66, 78.948, 66.183

Inverse Universe

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



35, 5.511, 264.782



44, 8.375, 265.374



33, 8.859, 294.169



18, 2.017, 263.887



21, 42.390, 288.196



46, 79.864, 291.013

Previews

White Background



This preview shows how the CIELCh color 36, 5.623, 80.882 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, 5.623, 80.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

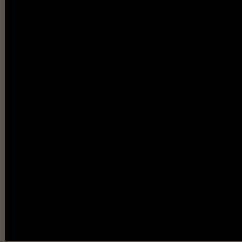
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

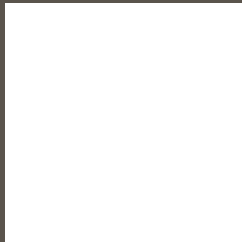
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 5.623, 80.882

Background



This preview shows how black text looks on a background with the CIELCh color 36, 5.623, 80.882.

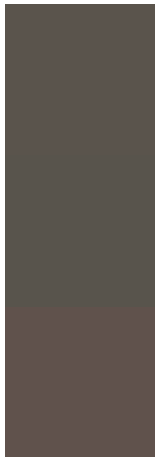


This preview shows how white text looks on a background with the CIELCh color 36, 5.623, 80.882.

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

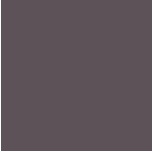
36, 5.623, 80.882

Protanopia

36, 5.254, 89.538

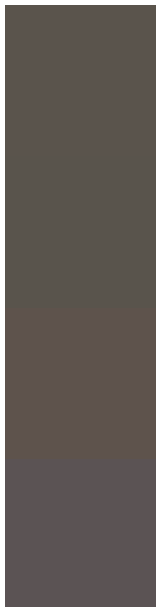
Deuteranopia

36, 7.346, 50.311



Tritanopia
36, 5.684, 339.357

Trichromacy



Original Color
36, 5.623, 80.882

Protanomaly
36, 5.422, 85.068

Deuteranomaly
36, 6.586, 60.775

Tritanomaly
36, 3.523, 9.744

Monochromacy



Original Color
36, 5.623, 80.882

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 2.038, 84.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 5.623, 80.882 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(90, 84, 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(90, 84, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 84, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 5.623, 80.882 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, 76) }
```

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

```
.border{ border-color:rgb(90, 84, 76) }
```

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, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 84, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 84, 76);  
box-shadow:4px 4px 4px 4px rgb(90, 84, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 5.623, 80.882 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, 76) }
```

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

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