

Converting Colors

CIELCh(36, 16.948, 0.824)

Have a look what the booklet for
CIELCh(36, 16.948, 0.824) contains.

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Color

CIELCh(36, 16.885, 0.961)

Conversions

Conversions Part 1

Format	Color
Hex	6F4B55
RGB	111, 75, 85
RGB Percent	44%, 29%, 33%
CMY	0.5658, 0.7069, 0.6677
CMYK	0.00, 0.32, 0.23, 0.57
HSL	343°, 19%, 36%
HSV	343°, 32%, 43%
XYZ	10.6461, 9.0082, 9.7157
YIQ	86.9040, 18.2460, 10.7420

Conversions

Conversions Part 2

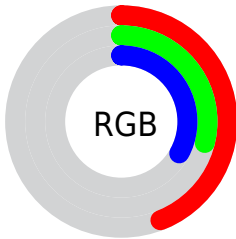
Format	Color
R_{YB}	111, 75, 85
Decimal	7293781
CIE _{Lab}	36.00, 16.88, 0.28
CIE _{LCh}	36, 16.885, 0.961
Yxy	9.0082, 0.3625, 0.3067
Android (android.graphics.Color)	4285483861 (0xFF6F4B55)
YUV	86.9040, -0.9387, 21.1322
Hunter-Lab	30.0136, 10.7918, 1.8167

Details

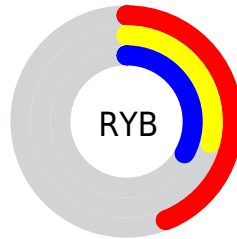
The CIELCh color $[36, 16.885, 0.961]$ is a dark color, and the websafe version is hex `663333`. A complement of this color would be $[44, 15.295, 174.491]$, and the grayscale version is $[37, 0.005, 296.813]$.

A 20% lighter version of the original color is $[56, 16.889, 359.679]$, and $[16, 16.969, 0.772]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 22.327, 2.456]$, and if you desaturate by 10%, it is $[39, 11.502, 359.705]$.

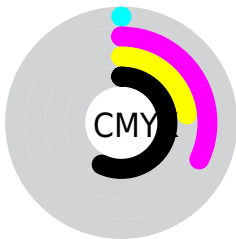
Distribution



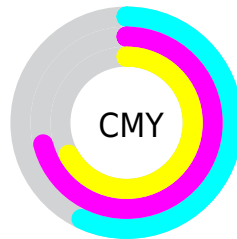
- Red (44%)
- Green (29%)
- Blue (33%)



- Red (44%)
- Yellow (29%)
- Blue (33%)



- Cyan (0%)
- Magenta (32%)
- Yellow (23%)
- Black (57%)



- Cyan (57%)
- Magenta (71%)
- Yellow (67%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 16.885, 0.961 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, 16.885, 0.961 by changing the saturation by 10% instead.

 36, 16.885, 0.961  36, 16.885, 0.961

 100, 16.885, 0.961  26, 16.885, 0.961

 56, 16.885, 0.961  16, 16.885, 0.961



 66, 16.885, 0.961  6, 16.885, 0.961

 76, 16.885, 0.961  0, 16.885, 0.961

 86, 16.885, 0.961

 96, 16.885, 0.961

 36, 16.885, 0.961  36, 16.885, 0.961

 33, 22.327, 2.456  39, 11.502,
359.705

 30, 27.699, 4.261

■ 28, 32.820, 6.486

■ 42, 6.268, 358.612

■ 25, 37.474, 9.262

■ 46, 1.228, 357.475

■ 24, 41.468, 12.735

■ 49, 3.597, 176.999

■ 23, 44.724, 16.996

■ 53, 8.203, 176.218

■ 22, 47.184, 20.168

■ 56, 12.597,
175.547

■ 60, 16.792,
174.943

■ 63, 20.803,
174.394

■ 67, 24.645,
173.891

Harmonies

Complementary

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



36, 16.885, 0.961



44, 15.295, 174.491

Rectangle

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



36, 16.885, 0.961



36, 16.885, 50.961



36, 16.885, 180.961



36, 16.885, 230.961

Sweetspot

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



36, 16.883, 0.964



55, 6.152, 358.381



36, 24.545, 317.576



28, 4.177, 358.488



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



36, 16.883, 0.964



44, 25.190, 2.059



38, 13.938, 40.912



22, 2.832, 358.254



24, 50.067, 20.711



52, 87.276, 24.224

Inverse Universe

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



36, 16.883, 0.964



44, 25.190, 2.059



42, 11.292, 223.158



22, 2.832, 358.254



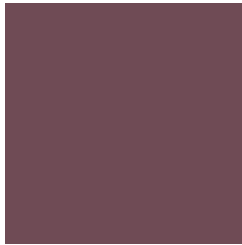
24, 50.067, 20.711



52, 87.276, 24.224

Previews

White Background



This preview shows how the CIELCh color 36, 16.885, 0.961 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, 16.885, 0.961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

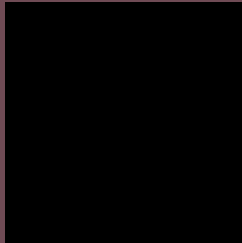
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 16.885, 0.961

Background



This preview shows how black text looks on a background with the CIELCh color 36, 16.885, 0.961.



This preview shows how white text looks on a background with the CIELCh color 36, 16.885, 0.961.

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, 16.885, 0.961

Protanopia

36, 3.760, 297.160

Deuteranopia

36, 5.281, 13.432



Tritanopia
36, 15.997, 8.769

Trichromacy



Original Color
36, 16.885, 0.961

Protanomaly
36, 7.074, 342.652

Deuteranomaly
36, 9.696, 2.382

Tritanomaly
36, 16.080, 6.606

Monochromacy



Original Color
36, 16.885, 0.961

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 5.932, 2.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 16.885, 0.961 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(111, 75, 85)` looks like.

```
.text, #text, p{  
    color:rgb(111, 75, 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(111, 75, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 75, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 16.885, 0.961 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(111, 75, 85) }
```

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

```
.border{ border-color:rgb(111, 75, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 75, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 75, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 75, 85);  
box-shadow:4px 4px 4px 4px rgb(111, 75,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 16.885, 0.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 75, 85) }
```

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

```
.background{ background-color: rgb(111, 75,  
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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