

Converting Colors

CIELCh(36, 18.057, 106.918)

Have a look what the booklet for
CIELCh(36, 18.057, 106.918)
contains.

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Color

CIELCh(36, 17.732, 105.665)

Conversions

Conversions Part 1

Format	Color
Hex	575639
RGB	87, 86, 57
RGB Percent	34%, 34%, 22%
CMY	0.6583, 0.6622, 0.7759
CMYK	0.00, 0.01, 0.34, 0.66
HSL	58°, 21%, 28%
HSV	58°, 34%, 34%
XYZ	8.0249, 9.0082, 5.2042
YIQ	82.9930, 9.9050, -8.8070

Conversions

Conversions Part 2

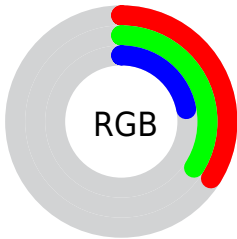
Format	Color
R_{YB}	58, 87, 57
Decimal	5723705
CIE Lab	36.00, -4.79, 17.07
CIE LCh	36, 17.732, 105.665
Yxy	9.0082, 0.3609, 0.4051
Android (android.graphics.Color)	4283913785 (0xFF575639)
YUV	82.9930, -12.8145, 3.5141
Hunter-Lab	30.0136, -4.7970, 10.7290

Details

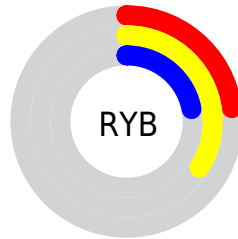
The CIELCh color $36, 17.732, 105.665$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $26, 19.065, 292.852$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 18.130, 106.634$, and $16, 17.782, 105.528$ is the 20% darker color. If you saturate the color by 10%, you get $36, 22.705, 104.766$, and if you desaturate by 10%, it is $36, 12.643, 106.586$.

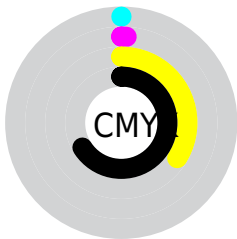
Distribution



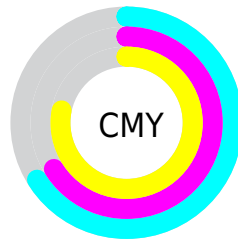
- Red (34%)
- Green (34%)
- Blue (22%)



- Red (23%)
- Yellow (34%)
- Blue (22%)



- Cyan (0%)
- Magenta (1%)
- Yellow (34%)
- Black (66%)




- Cyan (66%)
- Magenta (66%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 17.732, 105.665 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, 17.732, 105.665 by changing the saturation by 10% instead.

 36, 17.732,
105.665


 36, 17.732,
105.665

 100, 17.732,
105.665


 26, 17.732,
105.665

 56, 17.732,
105.665

 16, 17.732,
105.665


 66, 17.732,
105.665

 6, 17.732, 105.665

 76, 17.732,
105.665

 0, 17.732, 105.665

 86, 17.732,
105.665

 96, 17.732,
105.665

■ 36, 17.732,
105.665

■ 36, 17.732,
105.665

■ 36, 22.705,
104.766

■ 36, 12.643,
106.586

■ 36, 27.479,
103.896

■ 37, 7.487, 107.504

■ 37, 2.300, 108.402

■ 35, 31.937,
103.079

■ 37, 2.896, 289.329

■ 35, 35.912,
102.340

■ 38, 8.086, 290.188

■ 35, 39.189,
101.706

■ 38, 13.260,
291.025

■ 35, 41.784,
101.173

■ 38, 18.410,
291.830

■ 35, 43.318,
100.873

■ 39, 23.531,
292.599

■ 39, 28.618,

Harmonies

Complementary

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



36, 17.732, 105.665



26, 19.065, 292.852

Rectangle

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



36, 17.732, 105.665



36, 17.732, 155.665



36, 17.732, 285.665



36, 17.732, 335.665

Sweetspot

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



36, 17.733, 105.669



47, 6.391, 107.879



28, 14.322, 19.583



23, 4.313, 107.804



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



36, 17.733, 105.669



46, 25.855, 104.956



35, 19.489, 126.390



18, 2.891, 108.018



43, 49.999, 100.818



88, 88.744, 100.677

Inverse Universe

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



26, 19.065, 292.852



30, 28.387, 294.096



27, 20.446, 309.516



16, 2.944, 289.667



10, 68.755, 305.527



30, 124.279, 305.990

Previews

White Background



This preview shows how the CIELCh color 36, 17.732, 105.665 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, 17.732, 105.665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

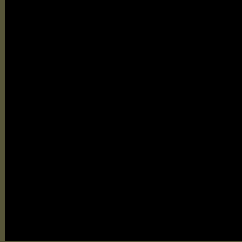
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 17.732, 105.665

Background



This preview shows how black text looks on a background with the CIELCh color 36, 17.732, 105.665.

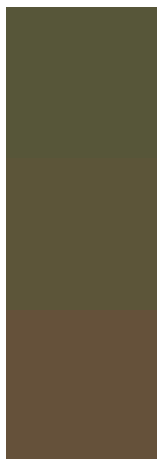


This preview shows how white text looks on a background with the CIELCh color 36, 17.732, 105.665.

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

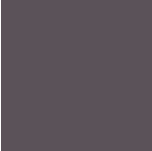
36, 17.732, 105.665

Protanopia

36, 17.495, 96.266

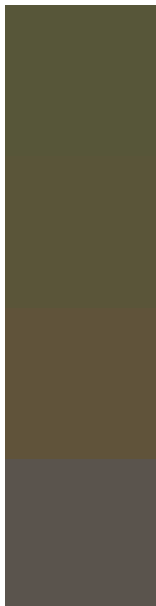
Deuteranopia

36, 17.351, 73.947



Tritanopia
36, 5.812, 331.865

Trichromacy



Original Color
36, 17.732, 105.665

Protanomaly
36, 17.328, 99.378

Deuteranomaly
36, 16.681, 85.612

Tritanomaly
36, 5.081, 77.757

Monochromacy



Original Color
36, 17.732, 105.665

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 6.204, 105.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 17.732, 105.665 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(87, 86, 57)` looks like.

```
.text, #text, p{  
    color:rgb(87, 86, 57)  
}
```

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(87, 86, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 86, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 17.732, 105.665 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(87, 86, 57) }
```

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

```
.border{ border-color:rgb(87, 86, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 86, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 86, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 86, 57);  
box-shadow:4px 4px 4px 4px rgb(87, 86, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 17.732, 105.665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 86, 57) }
```

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

```
.background{ background-color: rgb(87, 86,  
57) }
```

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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