

Converting Colors

CIELCh(36, 6.890, 198.501)

Have a look what the booklet for
CIELCh(36, 6.890, 198.501) contains.

CIELCh(36, 6.880, 198.510)	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, 6.880, 198.510)

Conversions

Conversions Part 1

Format	Color
Hex	475858
RGB	71, 88, 88
RGB Percent	28%, 35%, 35%
CMY	0.7218, 0.6552, 0.6552
CMYK	0.19, 0.00, 0.00, 0.66
HSL	180°, 11%, 31%
HSV	180°, 19%, 34%
XYZ	7.8359, 9.0082, 10.5428
YIQ	82.9170, -10.1320, -3.6040

Conversions

Conversions Part 2

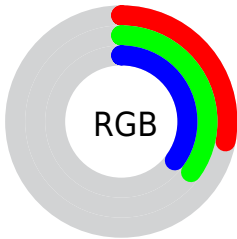
Format	Color
R_{YB}	71, 80, 88
Decimal	4675672
CIE _{Lab}	36.00, -6.52, -2.18
CIE _{LCh}	36, 6.880, 198.510
Yxy	9.0082, 0.2861, 0.3289
Android (android.graphics.Color)	4282865752 (0xFF475858)
YUV	82.9170, 2.5059, -10.4512
Hunter-Lab	30.0136, -5.9214, 0.1828

Details

The CIELCh color **36, 6.880, 198.510** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **32, 7.724, 20.620**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 6.828, 198.787**, and **16, 6.974, 197.930** is the 20% darker color. If you saturate the color by 10%, you get **35, 10.121, 198.055**, and if you desaturate by 10%, it is **37, 3.407, 199.020**.

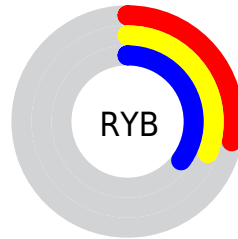
Distribution



Red (28%)

Green (35%)

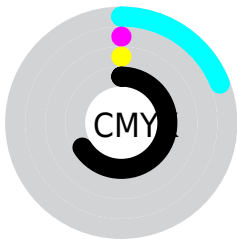
Blue (35%)



Red (28%)

Yellow (31%)

Blue (35%)

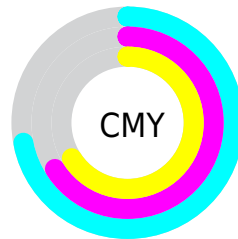


Cyan (19%)

Magenta (0%)

Yellow (0%)

Black (66%)



Cyan (72%)

Magenta (66%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 6.880, 198.510 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, 6.880, 198.510 by changing the saturation by 10% instead.

■ 36, 6.880, 198.510

■ 36, 6.880, 198.510

■ 100, 6.880,
198.510

■ 26, 6.880, 198.510

■ 56, 6.880, 198.510

■ 16, 6.880, 198.510

■ 66, 6.880, 198.510

■ 6, 6.880, 198.510

■ 76, 6.880, 198.510

■ 0, 6.880, 198.510

■ 86, 6.880, 198.510

■ 96, 6.880, 198.510

■ 36, 6.880, 198.510

■ 36, 6.880, 198.510

■ 35, 10.121,
198.055

■ 37, 3.407, 199.020

35, 13.077,
197.659

37, 0.250, 18.214

34, 15.700,
197.314

38, 4.046, 19.888

39, 7.940, 20.474

34, 17.947,
197.023

40, 11.900, 21.050

34, 19.784,
196.789

41, 15.896, 21.629

42, 19.908, 22.209

34, 21.195,
196.610

43, 23.916, 22.788

33, 22.184,
196.486

44, 27.907, 23.364

33, 23.006,
196.383

33, 23.061,
196.376

Harmonies

Complementary

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



36, 6.880, 198.510



32, 7.724, 20.620

Rectangle

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



36, 6.880, 198.510



36, 6.880, 248.510



36, 6.880, 18.510



36, 6.880, 68.510

Sweetspot

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



36, 6.880, 198.503



48, 2.747, 199.219



36, 12.856, 142.913



24, 1.835, 199.194



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, 6.880, 198.503



46, 10.063, 198.298



33, 6.183, 256.077



17, 2.022, 199.054



41, 26.469, 196.375



85, 47.054, 196.375

Inverse Universe

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



32, 7.724, 20.620



40, 11.629, 21.005



34, 6.507, 71.424



16, 2.127, 19.814



21, 52.680, 36.569



49, 98.179, 39.998

Previews

White Background



This preview shows how the CIELCh color 36, 6.880, 198.510 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, 6.880, 198.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

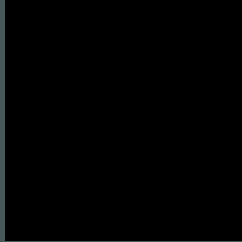
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

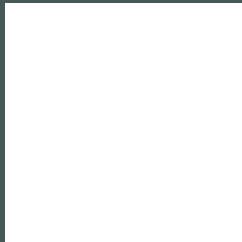
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 6.880, 198.510

Background



This preview shows how black text looks on a background with the CIELCh color 36, 6.880, 198.510.



This preview shows how white text looks on a background with the CIELCh color 36, 6.880, 198.510.

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

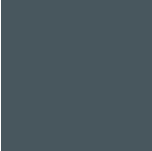
36, 6.880, 198.510

Protanopia

36, 1.518, 324.466

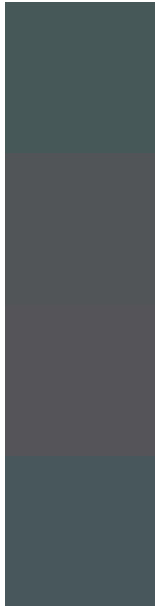
Deuteranopia

36, 5.812, 331.865



Tritanopia
36, 7.227, 235.941

Trichromacy



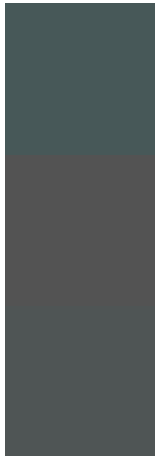
Original Color
36, 6.880, 198.510

Protanomaly
36, 2.067, 236.367

Deuteranomaly
36, 3.110, 290.703

Tritanomaly
36, 6.648, 226.710

Monochromacy



Original Color
36, 6.880, 198.510

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 2.519, 199.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 6.880, 198.510 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(71, 88, 88)` looks like.

```
.text, #text, p{  
    color:rgb(71, 88, 88)  
}
```

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(71, 88, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 88, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 6.880, 198.510 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(71, 88, 88) }
```

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

```
.border{ border-color:rgb(71, 88, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 88, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 88, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 88, 88);  
box-shadow:4px 4px 4px 4px rgb(71, 88, 88)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 6.880, 198.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 88, 88) }
```

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

```
.background{ background-color: rgb(71, 88,  
88) }
```

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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