

Converting Colors

CIELCh(18, 36.835, 39.410)

Have a look what the booklet for
CIELCh(18, 36.835, 39.410) contains.

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Color

CIELCh(18, 36.878, 39.582)

Conversions

Conversions Part 1

Format	Color
Hex	551609
RGB	85, 22, 9
RGB Percent	33%, 9%, 4%
CMY	0.6670, 0.9140, 0.9651
CMYK	0.00, 0.74, 0.90, 0.67
HSL	10°, 81%, 18%
HSV	10°, 90%, 33%
XYZ	4.0733, 2.5180, 0.5269
YIQ	39.3550, 41.7210, 9.3130

Conversions

Conversions Part 2

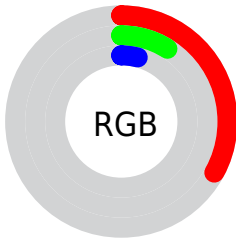
Format	Color
R_{YB}	85, 25, 9
Decimal	5576201
CIE Lab	18.00, 28.42, 23.50
CIE LCh	18, 36.878, 39.582
Yxy	2.5180, 0.5722, 0.3537
Android (android.graphics.Color)	4283766281 (0xFF551609)
YUV	39.3550, -14.9650, 40.0307
Hunter-Lab	15.8683, 18.0506, 9.1391

Details

The CIELCh color **18, 36.878, 39.582** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **28, 18.764, 224.246**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 37.036, 39.288**, and **3, 14.623, 17.825** is the 20% darker color. If you saturate the color by 10%, you get **17, 40.244, 39.393**, and if you desaturate by 10%, it is **19, 32.860, 39.793**.

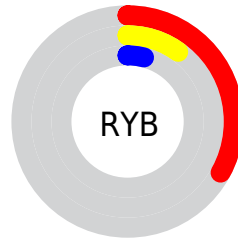
Distribution



Red (33%)

Green (9%)

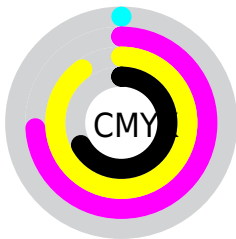
Blue (4%)



Red (33%)

Yellow (10%)

Blue (4%)

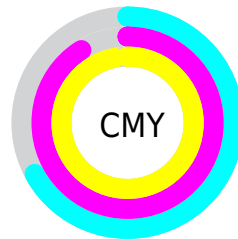


Cyan (0%)

Magenta (74%)

Yellow (90%)

Black (67%)



Cyan (67%)

Magenta (91%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 36.878, 39.582 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 18, 36.878, 39.582 by changing the saturation by 10% instead.

 18, 36.878, 39.582

 18, 36.878, 39.582

 100, 36.878,
39.582

 8, 36.878, 39.582

 38, 36.878, 39.582

 0, 36.878, 39.582

 48, 36.878, 39.582

 58, 36.878, 39.582

 68, 36.878, 39.582

 78, 36.878, 39.582

 88, 36.878, 39.582

 98, 36.878, 39.582

■ 18, 36.878, 39.582

■ 18, 36.878, 39.582

■ 17, 40.244, 39.393

■ 19, 32.860, 39.793

■ 17, 40.397, 39.406

■ 21, 27.985, 38.721

■ 23, 23.197, 37.796

■ 25, 18.625, 37.103

■ 27, 14.318, 36.622

■ 29, 10.293, 36.319

■ 32, 6.550, 36.153

■ 34, 3.075, 36.069

■ 36, 0.151, 218.189

Harmonies

Complementary

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



18, 36.878, 39.582



28, 18.764, 224.246

Rectangle

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



18, 36.878, 39.582



18, 36.878, 89.582



18, 36.878, 219.582



18, 36.878, 269.582

Sweetspot

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



18, 36.877, 39.585



39, 11.553, 36.283



18, 43.707, 334.794



18, 7.906, 36.326



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



18, 36.877, 39.585



23, 51.214, 41.591



27, 33.546, 79.428



16, 1.834, 36.062



22, 50.141, 41.434



51, 94.666, 42.366

Inverse Universe

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



28, 18.764, 224.246



35, 23.381, 227.587



15, 35.689, 290.453



17, 1.743, 216.435



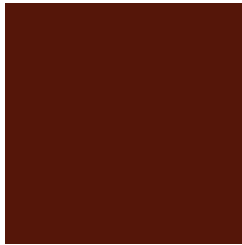
34, 22.995, 227.492



73, 40.909, 229.881

Previews

White Background



This preview shows how the CIELCh color 18, 36.878, 39.582 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 18, 36.878, 39.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

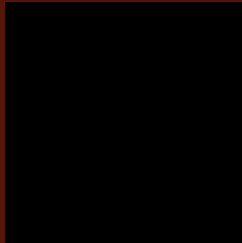
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 36.878, 39.582

Background



This preview shows how black text looks on a background with the CIELCh color 18, 36.878, 39.582.

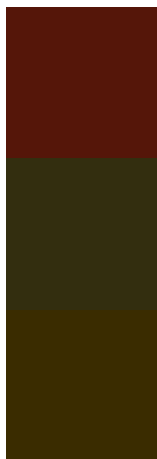


This preview shows how white text looks on a background with the CIELCh color 18, 36.878, 39.582.

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

18, 36.878, 39.582

Protanopia

19, 20.455, 97.279

Deuteranopia

19, 27.001, 86.787



Tritanopia
18, 34.036, 30.126

Trichromacy



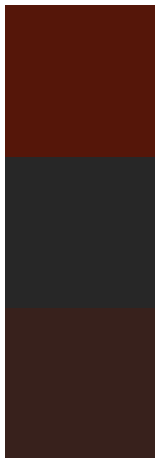
Original Color
18, 36.878, 39.582

Protanomaly
18, 22.399, 64.266

Deuteranomaly
18, 27.940, 63.623

Tritanomaly
18, 35.157, 33.786

Monochromacy



Original Color
18, 36.878, 39.582

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 13.085, 37.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 36.878, 39.582 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(85, 22, 9)` looks like.

```
.text, #text, p{  
    color:rgb(85, 22, 9)  
}
```

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(85, 22, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 22, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 36.878, 39.582 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(85, 22, 9) }
```

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

```
.border{ border-color:rgb(85, 22, 9) }
```

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

Here you see how a box with a 4 pixel rgb(85, 22, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 22, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(85, 22, 9); box-shadow:4px  
4px 4px 4px rgb(85, 22, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 36.878, 39.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 22, 9) }
```

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

```
.background{ background-color: rgb(85, 22,  
9) }
```

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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