

Converting Colors

CIELCh(18, 42.844, 33.976)

Have a look what the booklet for
CIELCh(18, 42.844, 33.976) contains.

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Color

CIELCh(18, 42.656, 33.918)

Conversions

Conversions Part 1

Format	Color
Hex	5C0A09
RGB	92, 10, 9
RGB Percent	36%, 4%, 4%
CMY	0.6389, 0.9604, 0.9644
CMYK	0.00, 0.89, 0.90, 0.64
HSL	1°, 82%, 20%
HSV	1°, 90%, 36%
XYZ	4.5801, 2.5180, 0.5056
YIQ	34.4040, 49.1930, 17.0730

Conversions

Conversions Part 2

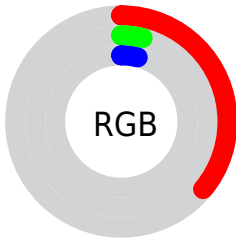
Format	Color
RYB	92, 10, 9
Decimal	6031881
CIELab	18.00, 35.40, 23.80
CIElCh	18, 42.656, 33.918
Yxy	2.5180, 0.6023, 0.3312
Android (android.graphics.Color)	4284221961 (0xFF5C0A09)
YUV	34.4040, -12.5242, 50.5117
Hunter-Lab	15.8683, 23.7516, 9.2186

Details

The CIELCh color **18, 42.656, 33.918** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **35, 22.657, 198.140**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 42.365, 34.133**, and **4, 19.370, 18.235** is the 20% darker color. If you saturate the color by 10%, you get **17, 45.981, 34.890**, and if you desaturate by 10%, it is **19, 38.621, 32.277**.

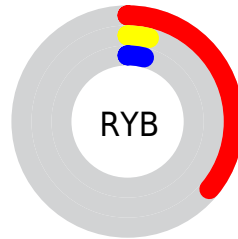
Distribution



Red (36%)

Green (4%)

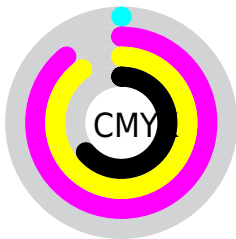
Blue (4%)



Red (36%)

Yellow (4%)

Blue (4%)

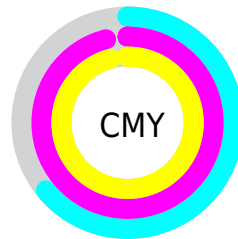


Cyan (0%)

Magenta (89%)

Yellow (90%)

Black (64%)



Cyan (64%)

Magenta (96%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 42.656, 33.918 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, 42.656, 33.918 by changing the saturation by 10% instead.

 18, 42.656, 33.918

 18, 42.656, 33.918

 100, 42.656,
33.918

 8, 42.656, 33.918

 38, 42.656, 33.918

 0, 42.656, 33.918

 48, 42.656, 33.918

 58, 42.656, 33.918

 68, 42.656, 33.918

 78, 42.656, 33.918

 88, 42.656, 33.918

 98, 42.656, 33.918

■ 18, 42.656, 33.918

■ 18, 42.656, 33.918

■ 17, 45.981, 34.890

■ 19, 38.621, 32.277

■ 21, 33.433, 29.470

■ 23, 28.104, 27.093

■ 25, 22.823, 25.199

■ 28, 17.713, 23.716

■ 30, 12.853, 22.560

■ 33, 8.283, 21.653

■ 36, 4.018, 20.916

■ 39, 0.050, 14.113

Harmonies

Complementary

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



18, 42.656, 33.918



35, 22.657, 198.140

Rectangle

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



18, 42.656, 33.918



18, 42.656, 83.918



18, 42.656, 213.918



18, 42.656, 263.918

Sweetspot

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



18, 42.654, 33.921



41, 14.197, 22.334



21, 52.341, 328.072



19, 9.716, 22.546



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



18, 42.654, 33.921



24, 57.826, 38.057



26, 35.495, 64.223



17, 2.206, 20.825



21, 53.580, 37.153



50, 98.835, 40.094

Inverse Universe

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



35, 22.657, 198.140



45, 28.198, 198.224



21, 28.919, 277.054



18, 2.096, 200.116



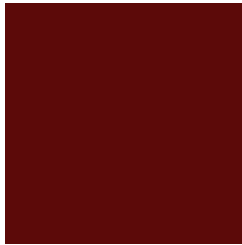
41, 26.470, 198.206



85, 46.607, 198.327

Previews

White Background



This preview shows how the CIELCh color 18, 42.656, 33.918 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



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, 42.656, 33.918

Background



This preview shows how black text looks on a background with the CIELCh color 18, 42.656, 33.918.

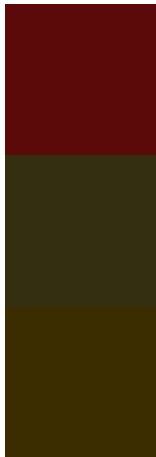


This preview shows how white text looks on a background with the CIELCh color 18, 42.656, 33.918.

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, 42.656, 33.918

Protanopia

19, 20.014, 95.722

Deuteranopia

19, 27.547, 87.086



Tritanopia
18, 43.053, 34.837

Trichromacy



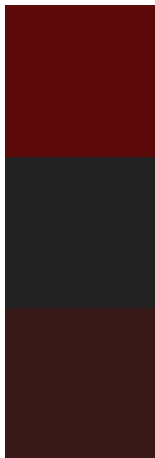
Original Color
18, 42.656, 33.918

Protanomaly
17, 23.985, 54.835

Deuteranomaly
17, 29.526, 56.064

Tritanomaly
18, 42.854, 34.380

Monochromacy



Original Color
18, 42.656, 33.918

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 16.328, 24.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 42.656, 33.918 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(92, 10, 9)` looks like.

```
.text, #text, p{  
    color:rgb(92, 10, 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(92, 10, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 10, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 42.656, 33.918 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(92, 10, 9) }
```

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

```
.border{ border-color:rgb(92, 10, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 10, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 10, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(92, 10, 9); box-shadow:4px  
4px 4px 4px rgb(92, 10, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 42.656, 33.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 10, 9) }
```

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

```
.background{ background-color: rgb(92, 10,  
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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