

Converting Colors

CIELCh(18, 16.331, 9.540)

Have a look what the booklet for
CIELCh(18, 16.331, 9.540) contains.

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Color

CIELCh(18, 16.331, 9.540)

Conversions

Conversions Part 1

Format	Color
Hex	432329
RGB	67, 35, 41
RGB Percent	26%, 14%, 16%
CMY	0.7388, 0.8641, 0.8406
CMYK	0.00, 0.48, 0.39, 0.74
HSL	349°, 32%, 20%
HSV	349°, 48%, 26%
XYZ	3.2722, 2.5180, 2.3792
YIQ	45.2520, 17.1460, 8.6500

Conversions

Conversions Part 2

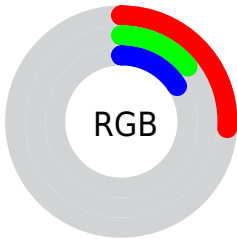
Format	Color
RYB	67, 35, 41
Decimal	4399913
CIELab	18.00, 16.11, 2.71
CIElCh	18, 16.331, 9.540
Yxy	2.5180, 0.4005, 0.3082
Android (android.graphics.Color)	4282589993 (0xFF432329)
YUV	45.2520, -2.0962, 19.0730
Hunter-Lab	15.8683, 9.0393, 2.2182

Details


The CIELCh color **18, 16.331, 9.540** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 13.524, 180.158**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.266, 9.049**, and **1, 5.949, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 19.932, 11.379**, and if you desaturate by 10%, it is **20, 12.727, 8.032**.

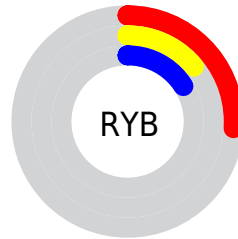
Distribution



 Red (26%)

 Green (14%)

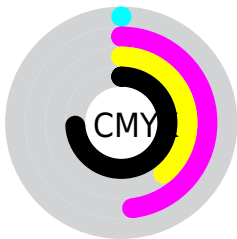
 Blue (16%)




 Red (26%)

 Yellow (14%)

 Blue (16%)

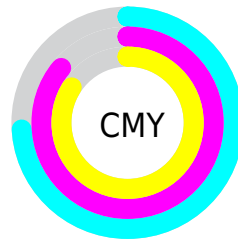


 Cyan (0%)

 Magenta (48%)

 Yellow (39%)

 Black (74%)



 Cyan (74%)

 Magenta (86%)

 Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 16.331, 9.540 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, 16.331, 9.540 by changing the saturation by 10% instead.

 18, 16.331, 9.540  18, 16.331, 9.540

 100, 16.331, 9.540  8, 16.331, 9.540

 38, 16.331, 9.540  0, 16.331, 9.540

 48, 16.331, 9.540

 58, 16.331, 9.540

 68, 16.331, 9.540

 78, 16.331, 9.540

 88, 16.331, 9.540

 98, 16.331, 9.540

 18, 16.331, 9.540  18, 16.331, 9.540

■ 16, 19.932, 11.379

■ 20, 12.727, 8.032

■ 15, 23.439, 13.634

■ 22, 9.195, 6.769

■ 13, 26.742, 16.413

■ 24, 5.780, 5.694

■ 12, 29.699, 19.292

■ 26, 2.506, 4.731

■ 11, 32.584, 20.338

■ 29, 0.615, 184.417

■ 11, 33.178, 20.325

■ 31, 3.583, 183.406

■ 33, 6.403, 182.760

■ 36, 9.085, 182.195

■ 38, 11.639,
181.689

Harmonies

Complementary

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



18, 16.331, 9.540



26, 13.524, 180.158

Rectangle

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



18, 16.331, 9.540



18, 16.331, 59.540



18, 16.331, 189.540



18, 16.331, 239.540

Sweetspot

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



18, 16.330, 9.543



33, 5.558, 5.360



18, 24.171, 320.646



15, 3.785, 5.453



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



18, 16.330, 9.543



22, 24.859, 11.890



21, 13.656, 49.281



12, 1.741, 4.781



18, 44.639, 26.434



47, 85.632, 31.086

Inverse Universe

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



18, 16.330, 9.543



22, 24.859, 11.890



23, 10.432, 236.491



12, 1.741, 4.781



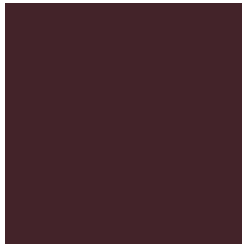
18, 44.639, 26.434



47, 85.632, 31.086

Previews

White Background



This preview shows how the CIE LCh color 18, 16.331, 9.540 looks on a white background.

Color Contrast Check

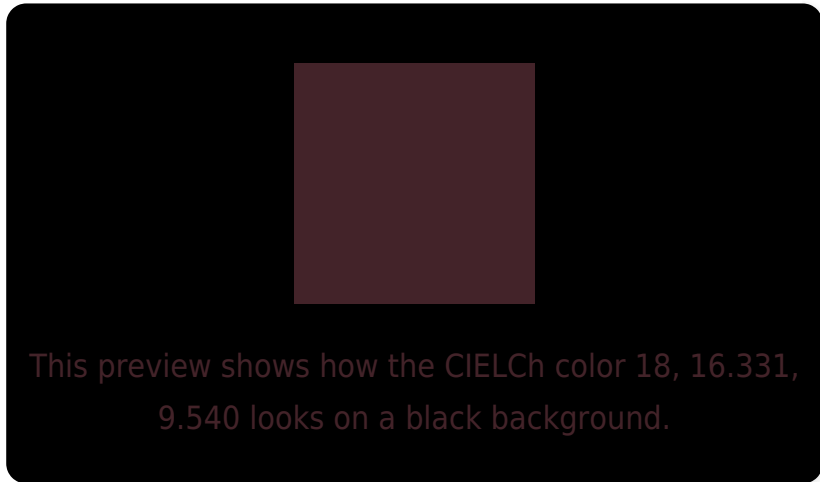
Large Text (above 18pt) WCAG AA ✓ Pass

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

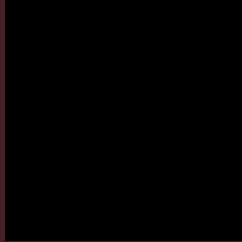
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 16.331, 9.540

Background



This preview shows how black text looks on a background with the CIELCh color 18, 16.331, 9.540.

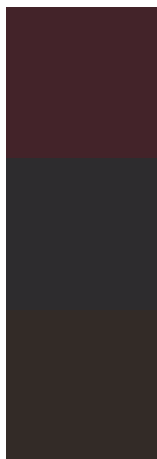


This preview shows how white text looks on a background with the CIELCh color 18, 16.331, 9.540.

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, 16.331, 9.540

Protanopia

18, 1.466, 309.194

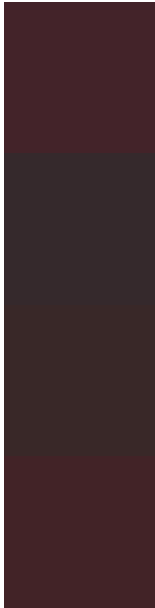
Deuteranopia

18, 4.879, 54.151



Tritanopia
18, 15.841, 16.290

Trichromacy



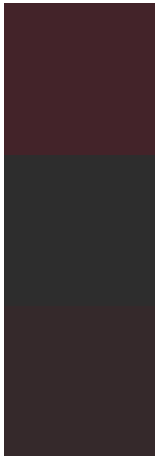
Original Color
18, 16.331, 9.540

Protanomaly
18, 6.181, 1.444

Deuteranomaly
18, 8.557, 21.392

Tritanomaly
18, 15.812, 13.837

Monochromacy



Original Color
18, 16.331, 9.540

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 6.028, 7.688

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 16.331, 9.540 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(67, 35, 41)` looks like.

```
.text, #text, p{  
    color:rgb(67, 35, 41)  
}
```

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(67, 35, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 35, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 16.331, 9.540 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(67, 35, 41) }
```

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

```
.border{ border-color:rgb(67, 35, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 35, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 35, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 35, 41);  
box-shadow:4px 4px 4px 4px rgb(67, 35, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 16.331, 9.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 35, 41) }
```

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

```
.background{ background-color: rgb(67, 35,  
41) }
```

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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