

Converting Colors

CIELCh(16, 8.909, 20.329)

Have a look what the booklet for
CIELCh(16, 8.909, 20.329) contains.

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Color

CIELCh(16, 9.216, 17.482)

Conversions

Conversions Part 1

Format	Color
Hex	352324
RGB	53, 35, 36
RGB Percent	21%, 14%, 14%
CMY	0.7916, 0.8622, 0.8583
CMYK	0.00, 0.34, 0.32, 0.79
HSL	357°, 20%, 17%
HSV	357°, 34%, 21%
XYZ	2.4016, 2.0993, 1.9587
YIQ	40.4960, 10.4070, 4.1270

Conversions

Conversions Part 2

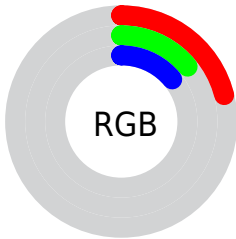
Format	Color
R _Y B	53, 35, 36
Decimal	3482404
CIE Lab	16.00, 8.79, 2.77
CIE LCh	16, 9.216, 17.482
Yxy	2.0993, 0.3718, 0.3250
Android (android.graphics.Color)	4281672484 (0xFF352324)
YUV	40.4960, -2.2165, 10.9660
Hunter-Lab	14.4890, 4.2318, 2.1273

Details

The CIELCh color **16, 9.216, 17.482** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 7.745, 192.912**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 8.919, 20.710**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 12.257, 18.696**, and if you desaturate by 10%, it is **18, 6.311, 16.493**.

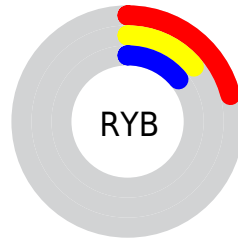
Distribution



Red (21%)

Green (14%)

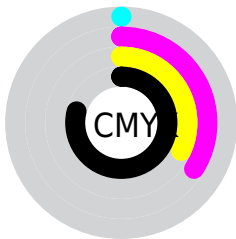
Blue (14%)



Red (21%)

Yellow (14%)

Blue (14%)

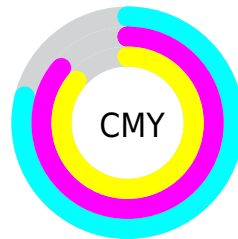


Cyan (0%)

Magenta (34%)

Yellow (32%)

Black (79%)



Cyan (79%)

Magenta (86%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 9.216, 17.482 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 16, 9.216, 17.482 by changing the saturation by 10% instead.

 16, 9.216, 17.482  16, 9.216, 17.482

 100, 9.216, 17.482  6, 9.216, 17.482

 36, 9.216, 17.482  0, 9.216, 17.482

 46, 9.216, 17.482

 56, 9.216, 17.482

 66, 9.216, 17.482

 76, 9.216, 17.482

 86, 9.216, 17.482

 96, 9.216, 17.482

 16, 9.216, 17.482  16, 9.216, 17.482

14, 12.257, 18.696

18, 6.311, 16.493

13, 15.408, 20.184

20, 3.561, 15.656

11, 18.600, 21.873

21, 0.967, 14.819

10, 21.523, 22.435

23, 1.474, 194.619

9, 24.039, 22.210

25, 3.771, 194.046

8, 26.550, 21.004

27, 5.935, 193.609

7, 28.099, 20.298

29, 7.976, 193.239

31, 9.908, 192.917

33, 11.741,
192.635

Harmonies

Complementary

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



16, 9.216, 17.482



21, 7.745, 192.912

Rectangle

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



16, 9.216, 17.482



16, 9.216, 67.482



16, 9.216, 197.482



16, 9.216, 247.482

Sweetspot

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



16, 9.215, 17.487



27, 3.153, 15.394



16, 14.631, 324.070



12, 2.175, 15.424



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



16, 9.215, 17.487



20, 14.194, 18.586



18, 7.568, 64.708



8, 1.344, 15.095



16, 43.997, 31.804



45, 90.274, 38.182

Inverse Universe

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



16, 9.215, 17.487



20, 14.194, 18.586



18, 6.766, 252.015



8, 1.344, 15.095



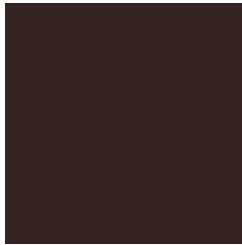
16, 43.997, 31.804



45, 90.274, 38.182

Previews

White Background



This preview shows how the CIELCh color 16, 9.216, 17.482 looks on a white background.

Color Contrast Check

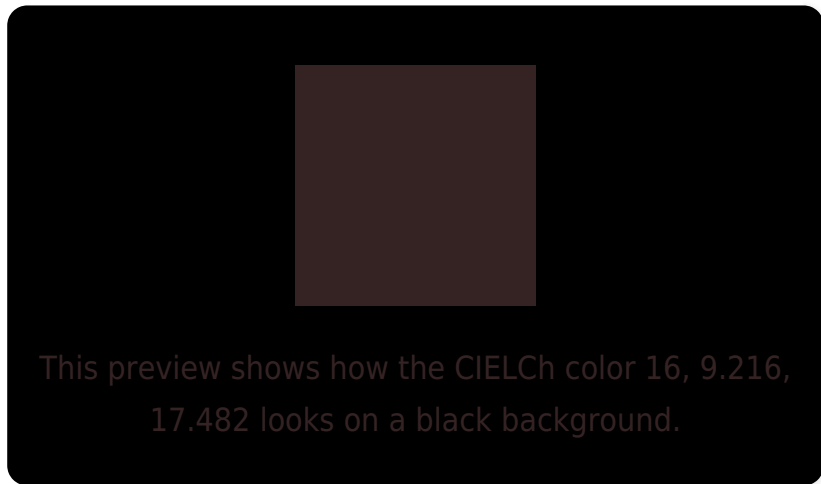
Large Text (above 18pt) WCAG AA ✓ Pass

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

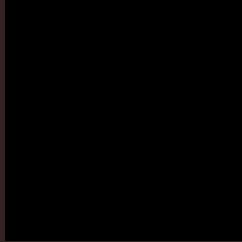
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 9.216, 17.482

Background



This preview shows how black text looks on a background with the CIELCh color 16, 9.216, 17.482.

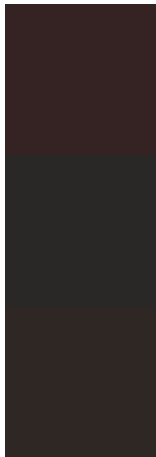


This preview shows how white text looks on a background with the CIELCh color 16, 9.216, 17.482.

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

16, 9.216, 17.482

Protanopia

16, 0.845, 74.806

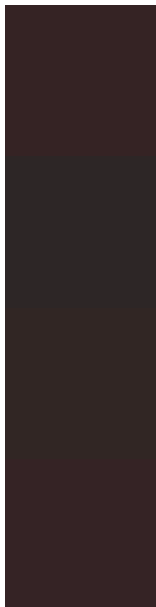
Deuteranopia

16, 4.121, 50.399



Tritanopia
16, 9.266, 8.923

Trichromacy



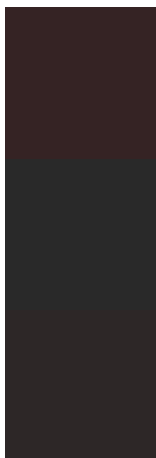
Original Color
16, 9.216, 17.482

Protanomaly
16, 3.477, 20.187

Deuteranomaly
16, 5.790, 34.457

Tritanomaly
16, 9.213, 13.190

Monochromacy



Original Color
16, 9.216, 17.482

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 2.959, 20.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 9.216, 17.482 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(53, 35, 36)` looks like.

```
.text, #text, p{  
    color:rgb(53, 35, 36)  
}
```

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(53, 35, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 35, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 9.216, 17.482 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(53, 35, 36) }
```

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

```
.border{ border-color:rgb(53, 35, 36) }
```

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

Here you see how a box with a 4 pixel rgb(53, 35, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 35, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 35, 36);  
box-shadow:4px 4px 4px 4px rgb(53, 35, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 9.216, 17.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 35, 36) }
```

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

```
.background{ background-color: rgb(53, 35,  
36) }
```

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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