

Converting Colors

CIELCh(18, 9.542, 40.300)

Have a look what the booklet for
CIELCh(18, 9.542, 40.300) contains.

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Color

CIELCh(18, 9.576, 41.997)

Conversions

Conversions Part 1

Format	Color
Hex	392823
RGB	57, 40, 35
RGB Percent	22%, 16%, 14%
CMY	0.7761, 0.8428, 0.8624
CMYK	0.00, 0.30, 0.39, 0.78
HSL	14°, 24%, 18%
HSV	14°, 39%, 22%
XYZ	2.7592, 2.5180, 1.9374
YIQ	44.5130, 11.7370, 2.0490

Conversions

Conversions Part 2

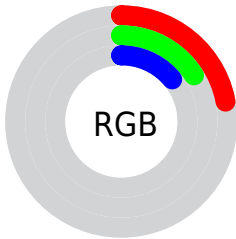
Format	Color
RYB	57, 41, 35
Decimal	3745827
CIELab	18.00, 7.12, 6.41
CIElCh	18, 9.576, 41.997
Yxy	2.5180, 0.3824, 0.3490
Android (android.graphics.Color)	4281935907 (0xFF392823)
YUV	44.5130, -4.6899, 10.9511
Hunter-Lab	15.8683, 3.2681, 3.8690

Details

The CIELCh color **18, 9.576, 41.997** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 7.640, 224.822**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 9.786, 42.432**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 12.493, 42.069**, and if you desaturate by 10%, it is **20, 6.844, 42.049**.

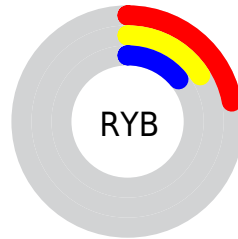
Distribution



Red (22%)

Green (16%)

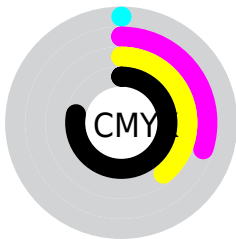
Blue (14%)



Red (22%)

Yellow (16%)

Blue (14%)

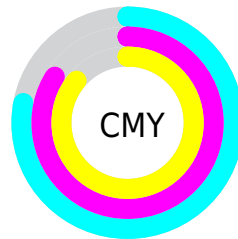


Cyan (0%)

Magenta (30%)

Yellow (39%)

Black (78%)



Cyan (78%)

Magenta (84%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 9.576, 41.997 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, 9.576, 41.997 by changing the saturation by 10% instead.

 18, 9.576, 41.997  18, 9.576, 41.997

 100, 9.576, 41.997  8, 9.576, 41.997

 38, 9.576, 41.997  0, 9.576, 41.997

 48, 9.576, 41.997

 58, 9.576, 41.997

 68, 9.576, 41.997

 78, 9.576, 41.997

 88, 9.576, 41.997

 98, 9.576, 41.997

 18, 9.576, 41.997  18, 9.576, 41.997

■ 17, 12.493, 42.069

■ 20, 6.844, 42.049

■ 15, 15.595, 42.268

■ 21, 4.293, 42.179

■ 14, 18.743, 42.198

■ 23, 1.911, 42.340

■ 13, 21.446, 40.687

■ 24, 0.315, 223.443

■ 11, 23.773, 38.574

■ 26, 2.399, 223.161

■ 10, 25.996, 37.227

■ 27, 4.355, 223.480

■ 10, 26.309, 37.100

■ 29, 6.196, 223.849

■ 31, 7.934, 224.240

■ 32, 9.581, 224.644

Harmonies

Complementary

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



18, 9.576, 41.997



21, 7.640, 224.822

Rectangle

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



18, 9.576, 41.997



18, 9.576, 91.997



18, 9.576, 221.997



18, 9.576, 271.997

Sweetspot

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



18, 9.576, 42.003



29, 3.377, 42.280



17, 15.491, 333.290



14, 2.263, 42.277



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



18, 9.576, 42.003



23, 14.673, 42.064



21, 11.043, 90.776



9, 1.219, 42.343



19, 42.556, 42.797



49, 87.840, 44.105

Inverse Universe

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



21, 7.640, 224.822



26, 10.948, 225.753



17, 11.183, 279.991



10, 1.169, 223.099



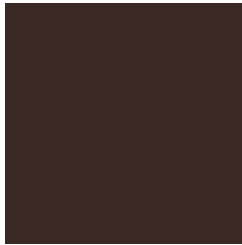
27, 20.974, 238.213



65, 40.019, 242.019

Previews

White Background



This preview shows how the CIELCh color 18, 9.576, 41.997 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, 9.576, 41.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

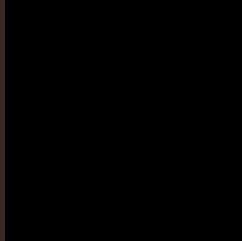
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 9.576, 41.997

Background



This preview shows how black text looks on a background with the CIELCh color 18, 9.576, 41.997.

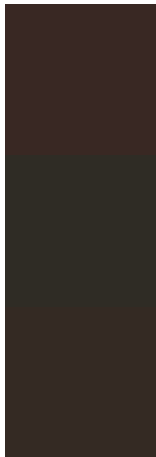


This preview shows how white text looks on a background with the CIELCh color 18, 9.576, 41.997.

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, 9.576, 41.997

Protanopia

18, 5.037, 91.526

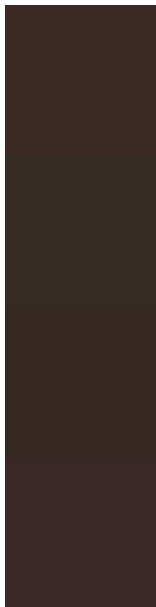
Deuteranopia

18, 7.109, 62.436



Tritanopia
18, 9.616, 9.521

Trichromacy



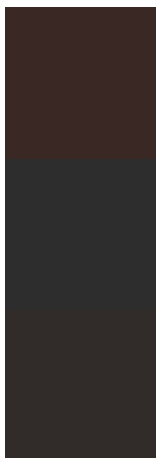
Original Color
18, 9.576, 41.997

Protanomaly
18, 6.344, 68.805

Deuteranomaly
18, 7.970, 51.522

Tritanomaly
18, 9.631, 21.685

Monochromacy



Original Color
18, 9.576, 41.997

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 3.259, 44.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 9.576, 41.997 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(57, 40, 35)` looks like.

```
.text, #text, p{  
    color:rgb(57, 40, 35)  
}
```

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(57, 40, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 40, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 9.576, 41.997 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(57, 40, 35) }
```

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

```
.border{ border-color:rgb(57, 40, 35) }
```

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

Here you see how a box with a 4 pixel rgb(57, 40, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 40, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 40, 35);  
box-shadow:4px 4px 4px 4px rgb(57, 40, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 9.576, 41.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 40, 35) }
```

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

```
.background{ background-color: rgb(57, 40,  
35) }
```

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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