

Converting Colors

CIELCh(18, 9.740, 69.112)

Have a look what the booklet for
CIELCh(18, 9.740, 69.112) contains.

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Color

CIELCh(18, 9.979, 68.674)

Conversions

Conversions Part 1

Format	Color
Hex	362A1F
RGB	54, 42, 31
RGB Percent	21%, 16%, 12%
CMY	0.7891, 0.8361, 0.8792
CMYK	0.00, 0.22, 0.43, 0.79
HSL	29°, 27%, 17%
HSV	29°, 43%, 21%
XYZ	2.5756, 2.5180, 1.6333
YIQ	44.3340, 10.6830, -0.8770

Conversions

Conversions Part 2

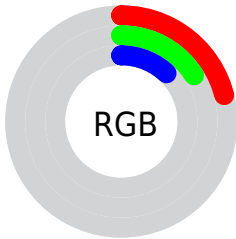
Format	Color
R_{YB}	54, 52, 31
Decimal	3549727
CIE _{Lab}	18.00, 3.63, 9.30
CIE _{LCh}	18, 9.979, 68.674
Yxy	2.5180, 0.3829, 0.3743
Android (android.graphics.Color)	4281739807 (0xFF362A1F)
YUV	44.3340, -6.5737, 8.4771
Hunter-Lab	15.8683, 1.2024, 5.0051

Details

The CIELCh color **18, 9.979, 68.674** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 8.884, 258.969**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 9.778, 68.305**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 12.582, 67.656**, and if you desaturate by 10%, it is **19, 7.478, 69.703**.

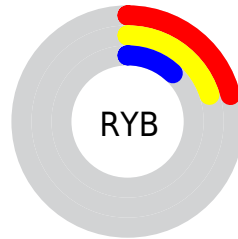
Distribution



Red (21%)

Green (16%)

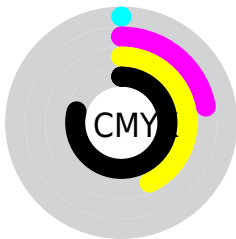
Blue (12%)



Red (21%)

Yellow (20%)

Blue (12%)

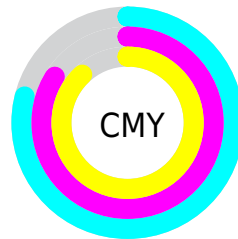


Cyan (0%)

Magenta (22%)

Yellow (43%)

Black (79%)



Cyan (79%)


Magenta (84%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 9.979, 68.674 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, 9.979, 68.674 by changing the saturation by 10% instead.

 18, 9.979, 68.674  18, 9.979, 68.674

 100, 9.979, 68.674  8, 9.979, 68.674

 38, 9.979, 68.674  0, 9.979, 68.674

 48, 9.979, 68.674

 58, 9.979, 68.674

 68, 9.979, 68.674

 78, 9.979, 68.674

 88, 9.979, 68.674

 98, 9.979, 68.674

 18, 9.979, 68.674  18, 9.979, 68.674

■ 17, 12.582, 67.656

■ 19, 7.478, 69.703

■ 16, 15.276, 66.624

■ 20, 5.082, 70.718

■ 15, 17.657, 65.013

■ 21, 2.785, 71.712

■ 14, 19.466, 62.569

■ 22, 0.582, 72.511

■ 13, 21.101, 60.147

■ 23, 1.535, 253.865

■ 13, 22.309, 58.656

■ 24, 3.573, 254.778

■ 26, 5.540, 255.709

■ 27, 7.444, 256.620

■ 28, 9.289, 257.504

Harmonies

Complementary

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



18, 9.979, 68.674



17, 8.884, 258.969

Rectangle

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



18, 9.979, 68.674



18, 9.979, 118.674



18, 9.979, 248.674



18, 9.979, 298.674

Sweetspot

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



18, 9.979, 68.680



27, 3.506, 71.625



15, 13.833, 345.253



13, 2.483, 71.541



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



18, 9.979, 68.680



23, 14.989, 67.584



22, 14.660, 105.223



10, 1.244, 72.120



24, 38.923, 60.672



57, 76.982, 58.388

Inverse Universe

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



17, 8.884, 258.969



21, 12.913, 261.140



13, 15.964, 293.611



10, 1.223, 254.016



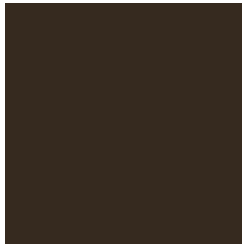
20, 30.712, 278.297



49, 62.376, 282.430

Previews

White Background



This preview shows how the CIELCh color 18, 9.979, 68.674 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, 9.979, 68.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

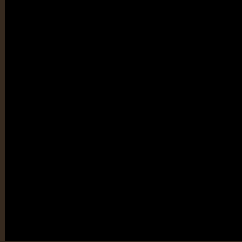
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 9.979, 68.674

Background



This preview shows how black text looks on a background with the CIELCh color 18, 9.979, 68.674.

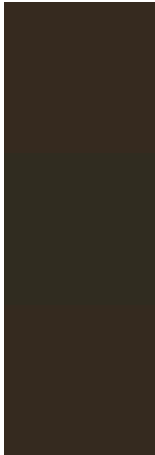


This preview shows how white text looks on a background with the CIELCh color 18, 9.979, 68.674.

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, 9.979, 68.674

Protanopia

18, 8.483, 93.889

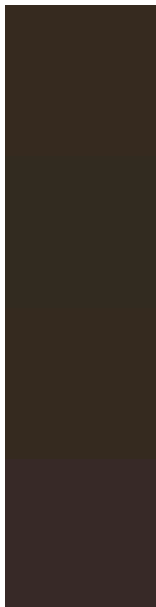
Deuteranopia

18, 9.630, 71.062



Tritanopia
18, 7.630, 5.659

Trichromacy



Original Color
18, 9.979, 68.674

Protanomaly
18, 8.425, 82.502

Deuteranomaly
18, 9.630, 71.062

Tritanomaly
18, 7.232, 31.785

Monochromacy



Original Color
18, 9.979, 68.674

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 3.713, 67.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 9.979, 68.674 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(54, 42, 31)` looks like.

```
.text, #text, p{  
    color:rgb(54, 42, 31)  
}
```

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(54, 42, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 42, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 9.979, 68.674 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(54, 42, 31) }
```

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

```
.border{ border-color:rgb(54, 42, 31) }
```

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

Here you see how a box with a 4 pixel rgb(54, 42, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 42, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 42, 31);  
box-shadow:4px 4px 4px 4px rgb(54, 42, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 9.979, 68.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 42, 31) }
```

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

```
.background{ background-color: rgb(54, 42,  
31) }
```

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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