

Converting Colors

CIELCh(18, 3.419, 8.718)

Have a look what the booklet for
CIELCh(18, 3.419, 8.718) contains.

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Color

CIELCh(18, 3.468, 8.724)

Conversions

Conversions Part 1

Format	Color
Hex	312A2B
RGB	49, 42, 43
RGB Percent	19%, 16%, 17%
CMY	0.8065, 0.8340, 0.8301
CMYK	0.00, 0.14, 0.12, 0.81
HSL	351°, 8%, 18%
HSV	351°, 14%, 19%
XYZ	2.5652, 2.5180, 2.6686
YIQ	44.2070, 3.8510, 1.7950

Conversions

Conversions Part 2

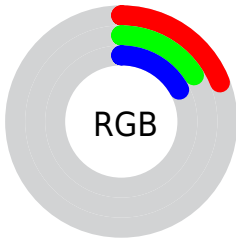
Format	Color
R_{YB}	49, 42, 43
Decimal	3222059
CIE Lab	18.00, 3.43, 0.53
CIE LCh	18, 3.468, 8.724
Yxy	2.5180, 0.3309, 0.3248
Android (android.graphics.Color)	4281412139 (0xFF312A2B)
YUV	44.2070, -0.5951, 4.2035
Hunter-Lab	15.8683, 1.0861, 1.1371

Details

The CIELCh color **18, 3.468, 8.724** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 3.283, 186.793**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 3.494, 9.713**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 6.054, 9.658**, and if you desaturate by 10%, it is **20, 1.001, 7.818**.

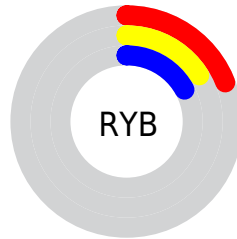
Distribution



Red (19%)

Green (16%)

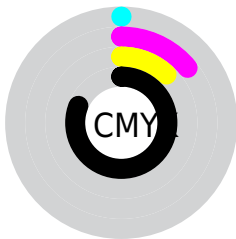
Blue (17%)



Red (19%)

Yellow (16%)

Blue (17%)

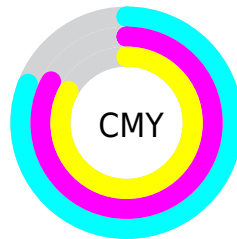


Cyan (0%)

Magenta (14%)

Yellow (12%)

Black (81%)



Cyan (81%)

Magenta (83%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 3.468, 8.724 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, 3.468, 8.724 by changing the saturation by 10% instead.

■ 18, 3.468, 8.724

■ 18, 3.468, 8.724

■ 100, 3.468, 8.724

■ 8, 3.468, 8.724

■ 38, 3.468, 8.724

■ 0, 3.468, 8.724

■ 48, 3.468, 8.724

■ 58, 3.468, 8.724

■ 68, 3.468, 8.724

■ 78, 3.468, 8.724

■ 88, 3.468, 8.724

■ 98, 3.468, 8.724

■ 18, 3.468, 8.724

■ 18, 3.468, 8.724

16, 6.054, 9.658	20, 1.001, 7.818
15, 8.752, 10.726	22, 1.343, 187.490
13, 11.542, 11.991	23, 3.568, 186.804
12, 14.389, 13.511	25, 5.681, 186.256
10, 17.237, 15.292	27, 7.690, 185.774
9, 19.896, 16.280	29, 9.604, 185.342
8, 22.273, 16.507	30, 11.429, 184.951
7, 24.547, 15.766	32, 13.176, 184.594
6, 25.822, 15.220	34, 14.851, 184.267

Harmonies

Complementary

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



18, 3.468, 8.724



20, 3.283, 186.793

Rectangle

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



18, 3.468, 8.724



18, 3.468, 58.724



18, 3.468, 188.724



18, 3.468, 238.724

Sweetspot

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



18, 3.467, 8.734



26, 1.182, 7.819



18, 5.597, 320.813



12, 0.849, 7.854



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 3.467, 8.734



23, 5.194, 9.062



19, 2.784, 56.703



8, 1.366, 8.192



16, 42.632, 28.033



45, 85.888, 33.967

Inverse Universe

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



18, 3.467, 8.734



23, 5.194, 9.062



19, 2.630, 238.983



8, 1.366, 8.192



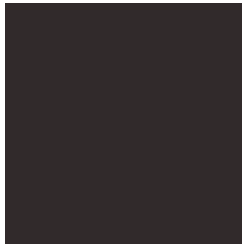
16, 42.632, 28.033



45, 85.888, 33.967

Previews

White Background



This preview shows how the CIELCh color 18, 3.468, 8.724 looks on a white background.

Color Contrast Check

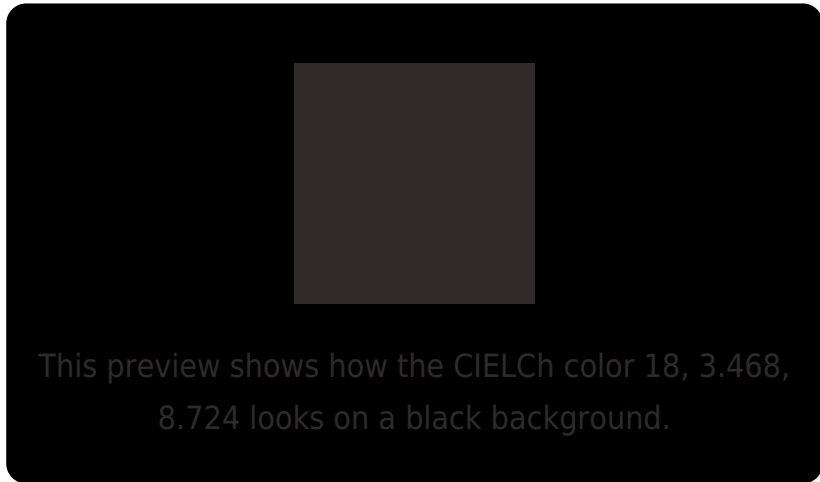
Large Text (above 18pt) WCAG AA ✓ Pass

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

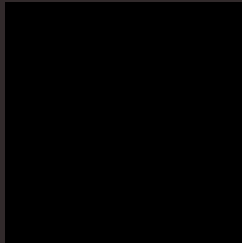
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 3.468, 8.724

Background



This preview shows how black text looks on a background with the CIELCh color 18, 3.468, 8.724.

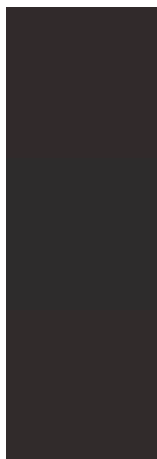


This preview shows how white text looks on a background with the CIELCh color 18, 3.468, 8.724.

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, 3.468, 8.724

Protanopia

18, 0.476, 19.101

Deuteranopia

18, 2.913, 19.987



Tritanopia
18, 4.365, 352.197

Trichromacy



Original Color

18, 3.468, 8.724

Protanomaly

18, 2.043, 0.084

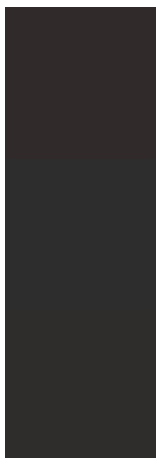
Deuteranomaly

18, 2.913, 19.987

Tritanomaly

18, 4.106, 0.779

Monochromacy



Original Color

18, 3.468, 8.724

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 1.438, 19.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 3.468, 8.724 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(49, 42, 43)` looks like.

```
.text, #text, p{  
    color:rgb(49, 42, 43)  
}
```

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(49, 42, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 42, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 3.468, 8.724 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(49, 42, 43) }
```

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

```
.border{ border-color:rgb(49, 42, 43) }
```

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

Here you see how a box with a 4 pixel rgb(49, 42, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 42, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 42, 43);  
box-shadow:4px 4px 4px 4px rgb(49, 42, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 3.468, 8.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 42, 43) }
```

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

```
.background{ background-color: rgb(49, 42,  
43) }
```

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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