

Converting Colors

CIELCh(18, 5.491, 49.941)

Have a look what the booklet for
CIELCh(18, 5.491, 49.941) contains.

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Color

CIELCh(18, 5.336, 51.087)

Conversions

Conversions Part 1

Format	Color
Hex	332A26
RGB	51, 42, 38
RGB Percent	20%, 16%, 15%
CMY	0.7993, 0.8346, 0.8503
CMYK	0.00, 0.18, 0.25, 0.80
HSL	18°, 15%, 18%
HSV	18°, 25%, 20%
XYZ	2.5613, 2.5180, 2.1994
YIQ	44.2350, 6.6480, 0.6640

Conversions

Conversions Part 2

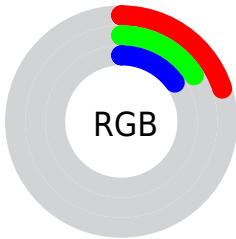
Format	Color
R_{YB}	51, 44, 38
Decimal	3353126
CIE _{Lab}	18.00, 3.35, 4.15
CIE _{LCh}	18, 5.336, 51.087
Yxy	2.5180, 0.3519, 0.3459
Android (android.graphics.Color)	4281543206 (0xFF332A26)
YUV	44.2350, -3.0739, 5.9329
Hunter-Lab	15.8683, 1.0422, 2.8899

Details

The CIELCh color **18, 5.336, 51.087** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 4.728, 234.497**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 5.430, 46.698**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 7.678, 50.643**, and if you desaturate by 10%, it is **19, 3.136, 51.589**.

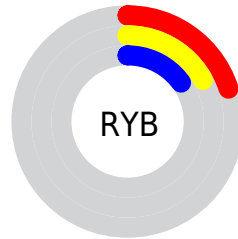
Distribution



 Red (20%)

 Green (16%)

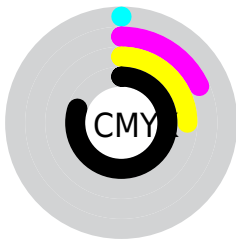
 Blue (15%)



 Red (20%)

 Yellow (17%)

 Blue (15%)

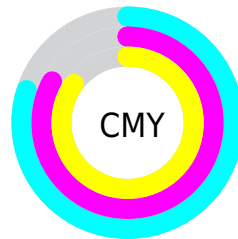


 Cyan (0%)

 Magenta (18%)

 Yellow (25%)

 Black (80%)



 Cyan (80%)

 Magenta (83%)

 Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 5.336, 51.087 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, 5.336, 51.087 by changing the saturation by 10% instead.

 18, 5.336, 51.087  18, 5.336, 51.087

 100, 5.336, 51.087  8, 5.336, 51.087

 38, 5.336, 51.087  0, 5.336, 51.087

 48, 5.336, 51.087


 58, 5.336, 51.087

 68, 5.336, 51.087

 78, 5.336, 51.087

 88, 5.336, 51.087

 98, 5.336, 51.087

 18, 5.336, 51.087  18, 5.336, 51.087

17, 7.678, 50.643	19, 3.136, 51.589
15, 10.170, 50.249	21, 1.068, 52.027
14, 12.816, 49.928	22, 0.880, 233.015
13, 15.441, 49.152	23, 2.718, 233.472
12, 17.658, 47.055	25, 4.457, 234.060
11, 19.562, 44.292	26, 6.108, 234.670
10, 21.429, 42.126	27, 7.680, 235.284
10, 22.279, 41.371	29, 9.181, 235.895
	30, 10.619, 236.499

Harmonies

Complementary

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



18, 5.336, 51.087



19, 4.728, 234.497

Rectangle

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



18, 5.336, 51.087



18, 5.336, 101.087



18, 5.336, 231.087



18, 5.336, 281.087

Sweetspot

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



18, 5.336, 51.098



27, 1.978, 51.922



17, 8.804, 335.774



12, 1.377, 51.899



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, 5.336, 51.098



23, 8.274, 50.766



20, 7.152, 97.944



8, 1.092, 51.821



20, 40.066, 47.331



50, 83.610, 47.450

Inverse Universe

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



19, 4.728, 234.497



24, 7.052, 235.236



17, 7.322, 283.205



8, 1.058, 233.164



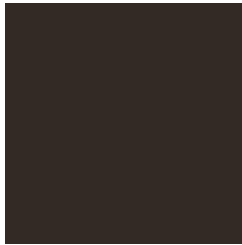
24, 22.290, 253.488



59, 44.093, 258.141

Previews

White Background



This preview shows how the CIELCh color 18, 5.336, 51.087 looks on a white background.

Color Contrast Check

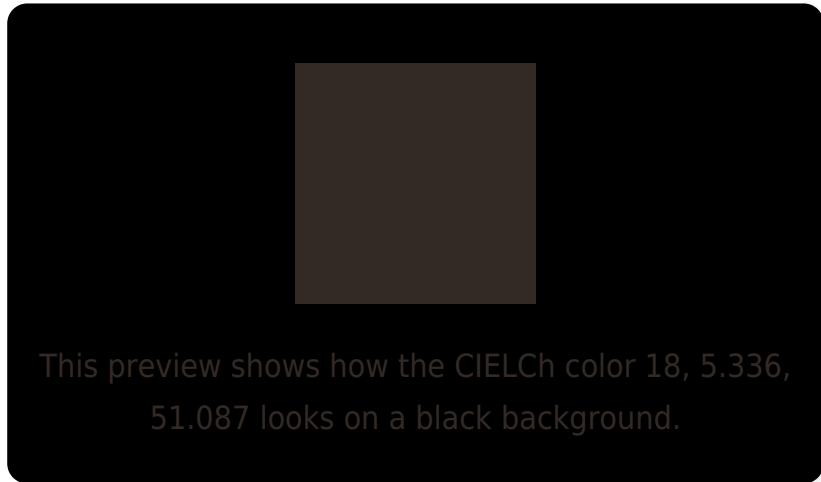
Large Text (above 18pt) WCAG AA ✓ Pass

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

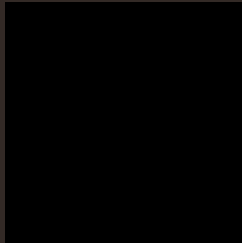
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 5.336, 51.087

Background



This preview shows how black text looks on a background with the CIELCh color 18, 5.336, 51.087.



This preview shows how white text looks on a background with the CIELCh color 18, 5.336, 51.087.

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, 5.336, 51.087

Protanopia

18, 3.572, 93.219

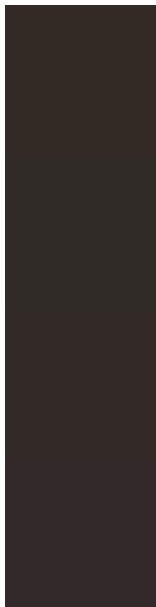
Deuteranopia

18, 4.900, 54.129



Tritanopia
18, 5.718, 359.646

Trichromacy



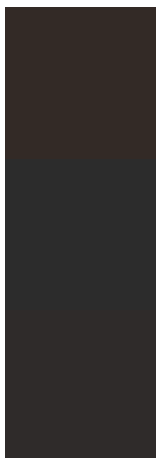
Original Color
18, 5.336, 51.087

Protanomaly
18, 3.713, 67.387

Deuteranomaly
18, 4.900, 54.129

Tritanomaly
18, 5.453, 13.438

Monochromacy



Original Color
18, 5.336, 51.087

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 2.059, 39.215

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 18, 5.336, 51.087 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(51, 42, 38)` looks like.

```
.text, #text, p{  
    color:rgb(51, 42, 38)  
}
```

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(51, 42, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 42, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 5.336, 51.087 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(51, 42, 38) }
```

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

```
.border{ border-color:rgb(51, 42, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 42, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 42, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 42, 38);  
box-shadow:4px 4px 4px 4px rgb(51, 42, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 5.336, 51.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 42, 38) }
```

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

```
.background{ background-color: rgb(51, 42,  
38) }
```

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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