

Converting Colors

CIELCh(18, 16.863, 324.159)

Have a look what the booklet for
CIELCh(18, 16.863, 324.159)
contains.

CIELCh(18, 16.895, 324.748)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 16.895, 324.748)

Conversions

Conversions Part 1

Format	Color
Hex	39253A
RGB	57, 37, 58
RGB Percent	22%, 15%, 23%
CMY	0.7757, 0.8542, 0.7718
CMYK	0.02, 0.36, 0.00, 0.77
HSL	297°, 22%, 19%
HSV	297°, 36%, 23%
XYZ	3.1349, 2.5180, 4.3502
YIQ	45.3740, 5.1790, 10.7710

Conversions

Conversions Part 2

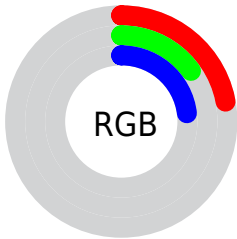
Format	Color
R_{YB}	57, 37, 58
Decimal	3745082
CIE Lab	18.00, 13.80, -9.75
CIE LCh	18, 16.895, 324.748
Yxy	2.5180, 0.3134, 0.2517
Android (android.graphics.Color)	4281935162 (0xFF39253A)
YUV	45.3740, 6.2246, 10.1960
Hunter-Lab	15.8683, 7.4943, -5.1460

Details

The CIELCh color **18, 16.895, 324.748** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 16.852, 141.133**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.768, 324.335**, and **1, 6.515, 302.463** is the 20% darker color. If you saturate the color by 10%, you get **16, 21.444, 325.158**, and if you desaturate by 10%, it is **20, 12.227, 324.315**.

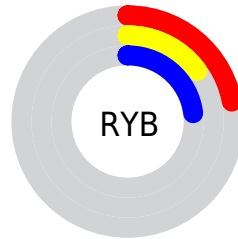
Distribution



 Red (22%)

 Green (15%)

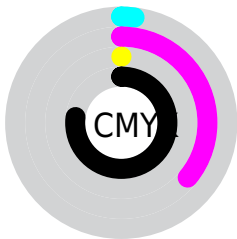
 Blue (23%)



 Red (22%)

 Yellow (15%)

 Blue (23%)

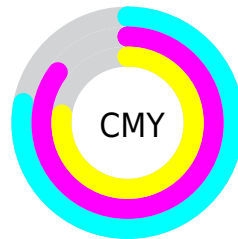


 Cyan (2%)

 Magenta (36%)

 Yellow (0%)

 Black (77%)



 Cyan (78%)

 Magenta (85%)

 Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 16.895, 324.748 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, 16.895, 324.748 by changing the saturation by 10% instead.

■ 18, 16.895,
324.748

■ 18, 16.895,
324.748

■ 100, 16.895,
324.748

■ 8, 16.895, 324.748

■ 38, 16.895,
324.748

■ 0, 16.895, 324.748

■ 48, 16.895,
324.748


■ 58, 16.895,
324.748


■ 68, 16.895,
324.748


■ 78, 16.895,
324.748


■ 88, 16.895,


324.748


 98, 16.895,
324.748

 18, 16.895,
324.748


 18, 16.895,
324.748

 16, 21.444,
325.158

 20, 12.227,
324.315


 15, 25.773,
325.533

 22, 7.521, 323.868


 14, 29.758,
325.860


 23, 2.835, 323.401

 25, 1.792, 143.057

 12, 33.261,
326.123

 27, 6.332, 142.587

 11, 36.197,
326.317

 29, 10.769,
142.166

■ 10, 39.192,
326.524

■ 31, 15.095,
141.766

■ 10, 40.442,
326.615

■ 33, 19.305,
141.387

■ 35, 23.399,
141.028

Harmonies

Complementary

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



18, 16.895, 324.748



22, 16.852, 141.133

Rectangle

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



18, 16.895, 324.748



18, 16.895, 14.748



18, 16.895, 144.748



18, 16.895, 194.748

Sweetspot

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



18, 16.894, 324.748



30, 6.442, 323.660



16, 13.999, 292.081



14, 4.249, 323.672



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, 16.894, 324.748



23, 25.153, 325.118



18, 12.623, 343.784



9, 2.499, 323.507



19, 54.910, 326.492



50, 103.384, 326.348

Inverse Universe

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



17, 10.687, 18.418



22, 16.389, 19.573



22, 12.260, 158.246



9, 1.461, 15.876



17, 45.214, 32.571



46, 91.408, 38.466

Previews

White Background



This preview shows how the CIE LCh color 18, 16.895, 324.748 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, 16.895, 324.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

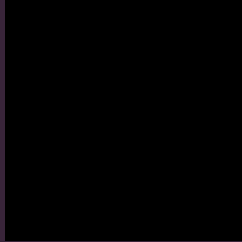
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 16.895, 324.748

Background



This preview shows how black text looks on a background with the CIELCh color 18, 16.895, 324.748.



This preview shows how white text looks on a background with the CIELCh color 18, 16.895, 324.748.

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, 16.895, 324.748

Protanopia

18, 13.223, 283.129

Deuteranopia

18, 8.983, 286.981



Tritanopia
18, 7.630, 5.659

Trichromacy



Original Color
18, 16.895, 324.748

Protanomaly
18, 13.222, 298.750

Deuteranomaly
18, 10.728, 306.725

Tritanomaly
18, 10.524, 341.298

Monochromacy



Original Color
18, 16.895, 324.748

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 5.833, 325.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 16.895, 324.748 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, 37, 58)` looks like.

```
.text, #text, p{  
    color:rgb(57, 37, 58)  
}
```

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, 37, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 37, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 16.895, 324.748 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, 37, 58) }
```

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

```
.border{ border-color:rgb(57, 37, 58) }
```

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

Here you see how a box with a 4 pixel rgb(57, 37, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 37, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 37, 58);  
box-shadow:4px 4px 4px 4px rgb(57, 37, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 16.895, 324.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 37, 58) }
```

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

```
.background{ background-color: rgb(57, 37,  
58) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor