

Converting Colors

CIELCh(18, 21.506, 315.466)

Have a look what the booklet for
CIELCh(18, 21.506, 315.466)
contains.

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Color

CIELCh(18, 21.313, 314.869)

Conversions

Conversions Part 1

Format	Color
Hex	372542
RGB	55, 37, 66
RGB Percent	22%, 15%, 26%
CMY	0.7847, 0.8553, 0.7416
CMYK	0.17, 0.44, 0.00, 0.74
HSL	277°, 28%, 20%
HSV	277°, 44%, 26%
XYZ	3.2081, 2.5180, 5.4541
YIQ	45.6880, 1.4190, 12.8350

Conversions

Conversions Part 2

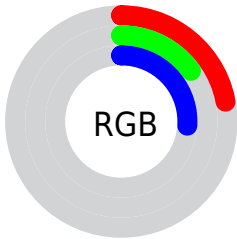
Format	Color
R_{YB}	55, 37, 66
Decimal	3614018
CIE _{Lab}	18.00, 15.04, -15.10
CIE _{LCh}	18, 21.313, 314.869
Yxy	2.5180, 0.2869, 0.2252
Android (android.graphics.Color)	4281804098 (0xFF372542)
YUV	45.6880, 10.0138, 8.1666
Hunter-Lab	15.8683, 8.3183, -9.2709

Details

The CIELCh color **18, 21.313, 314.869** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **26, 20.495, 131.354**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 21.258, 314.464**, and **1, 11.453, 295.734** is the 20% darker color. If you saturate the color by 10%, you get **16, 26.191, 315.243**, and if you desaturate by 10%, it is **20, 16.382, 314.471**.

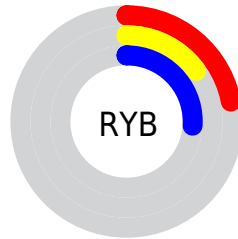
Distribution



 Red (22%)

 Green (15%)

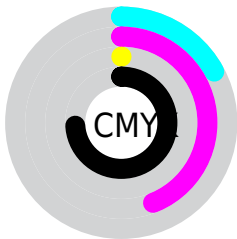
 Blue (26%)



 Red (22%)

 Yellow (15%)

 Blue (26%)

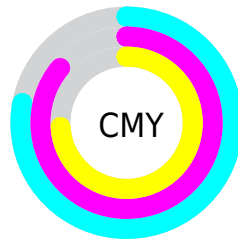


 Cyan (17%)

 Magenta (44%)

 Yellow (0%)

 Black (74%)



 Cyan (78%)

 Magenta (86%)

 Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 21.313, 314.869 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, 21.313, 314.869 by changing the saturation by 10% instead.

■ 18, 21.313,
314.869

■ 18, 21.313,
314.869

■ 100, 21.313,
314.869

■ 8, 21.313, 314.869

■ 38, 21.313,
314.869

■ 0, 21.313, 314.869

■ 48, 21.313,
314.869


■ 58, 21.313,
314.869


■ 68, 21.313,
314.869


■ 78, 21.313,
314.869


■ 88, 21.313,


314.869


 98, 21.313,
314.869


 18, 21.313,
314.869


 18, 21.313,
314.869

 16, 26.191,
315.243


 20, 16.382,
314.471

 14, 30.911,
315.565

 22, 11.471,
314.069

 12, 35.323,
315.798

 25, 6.626, 313.674

 10, 39.232,
315.893

 27, 1.874, 313.274

 29, 2.769, 132.988

 9, 43.028, 316.014

 32, 7.297, 132.648

■ 8, 45.653, 316.232

■ 34, 11.707,
132.347

■ 36, 15.999,
132.075

■ 39, 20.177,
131.829

Harmonies

Complementary

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



18, 21.313, 314.869



26, 20.495, 131.354

Rectangle

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



18, 21.313, 314.869



18, 21.313, 4.869



18, 21.313, 134.869



18, 21.313, 184.869

Sweetspot

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



18, 21.312, 314.869



33, 7.728, 313.658



20, 12.740, 273.500



15, 5.328, 313.700



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



18, 21.312, 314.869



22, 32.289, 315.289



19, 21.246, 330.076



12, 2.632, 313.461



15, 59.594, 315.641



39, 110.535, 314.849

Inverse Universe

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



19, 15.573, 355.073



23, 23.523, 356.725



25, 21.255, 144.753



12, 1.909, 351.314



19, 41.645, 10.050



48, 77.489, 14.420

Previews

White Background



This preview shows how the CIE LCh color 18, 21.313, 314.869 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 CIELCh color 18, 21.313, 314.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

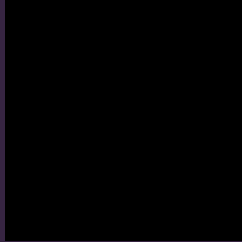
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 21.313, 314.869

Background



This preview shows how black text looks on a background with the CIELCh color 18, 21.313, 314.869.



This preview shows how white text looks on a background with the CIELCh color 18, 21.313, 314.869.

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, 21.313, 314.869

Protanopia

18, 20.141, 285.108

Deuteranopia

18, 14.008, 280.905



Tritanopia
18, 5.244, 357.534

Trichromacy



Original Color
18, 21.313, 314.869

Protanomaly
18, 20.047, 294.986

Deuteranomaly
18, 16.658, 296.918

Tritanomaly
18, 10.765, 325.563

Monochromacy



Original Color
18, 21.313, 314.869

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 7.438, 313.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 21.313, 314.869 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(55, 37, 66)` looks like.

```
.text, #text, p{  
    color:rgb(55, 37, 66)  
}
```

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(55, 37, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 37, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 21.313, 314.869 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(55, 37, 66) }
```

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

```
.border{ border-color:rgb(55, 37, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 37, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 37, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 37, 66);  
box-shadow:4px 4px 4px 4px rgb(55, 37, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 21.313, 314.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 37, 66) }
```

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

```
.background{ background-color: rgb(55, 37,  
66) }
```

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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