

Converting Colors

CIELCh(18, 22.770, 315.719)

Have a look what the booklet for
CIELCh(18, 22.770, 315.719)
contains.

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Color

CIELCh(18, 22.828, 315.740)

Conversions

Conversions Part 1

Format	Color
Hex	382443
RGB	56, 36, 67
RGB Percent	22%, 14%, 26%
CMY	0.7800, 0.8584, 0.7368
CMYK	0.16, 0.46, 0.00, 0.74
HSL	279°, 30%, 20%
HSV	279°, 46%, 26%
XYZ	3.2870, 2.5180, 5.6398
YIQ	45.5140, 1.9690, 13.8810

Conversions

Conversions Part 2

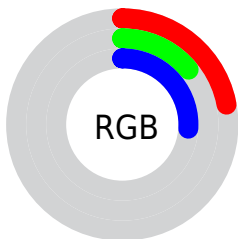
Format	Color
R_{YB}	56, 36, 67
Decimal	3679299
CIE Lab	18.00, 16.35, -15.93
CIE LCh	18, 22.828, 315.740
Yxy	2.5180, 0.2872, 0.2200
Android (android.graphics.Color)	4281869379 (0xFF382443)
YUV	45.5140, 10.5926, 9.1962
Hunter-Lab	15.8683, 9.2051, -9.9644

Details


The CIELCh color **18, 22.828, 315.740** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **26, 21.982, 132.030**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 22.815, 316.185**, and **1, 12.233, 296.684** is the 20% darker color. If you saturate the color by 10%, you get **16, 27.744, 316.092**, and if you desaturate by 10%, it is **20, 17.822, 315.355**.

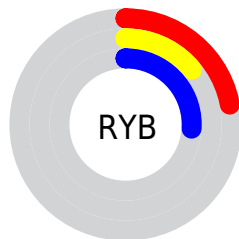
Distribution



 Red (22%)

 Green (14%)

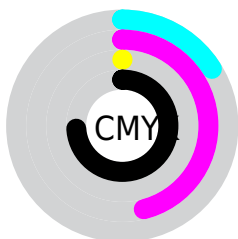
 Blue (26%)





 Red (22%)

 Yellow (14%)

 Blue (26%)

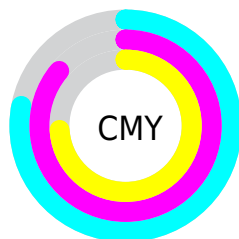


 Cyan (16%)


 Magenta (46%)

 Yellow (0%)

 Black (74%)



 Cyan (78%)

 Magenta (86%)

 Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 22.828, 315.740 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, 22.828, 315.740 by changing the saturation by 10% instead.

■ 18, 22.828,
315.740

■ 18, 22.828,
315.740

■ 100, 22.828,
315.740

■ 8, 22.828, 315.740

■ 38, 22.828,
315.740

■ 0, 22.828, 315.740

■ 48, 22.828,
315.740

■ 58, 22.828,
315.740


■ 68, 22.828,
315.740

■ 78, 22.828,
315.740


■ 88, 22.828,


315.740


 98, 22.828,
315.740


 18, 22.828,
315.740


 18, 22.828,
315.740

 16, 27.744,
316.092


 20, 17.822,
315.355

 14, 32.450,
316.382

 22, 12.812,
314.959

 12, 36.779,
316.570

 25, 7.852, 314.566

 11, 40.534,
316.610

 27, 2.978, 314.174

 29, 1.792, 133.886

 9, 44.383, 316.746

 32, 6.447, 133.523

■ 8, 46.033, 316.872

■ 34, 10.982,
133.212

■ 36, 15.398,
132.929

■ 39, 19.696,
132.673

Harmonies

Complementary

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



18, 22.828, 315.740



26, 21.982, 132.030

Rectangle

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



18, 22.828, 315.740



18, 22.828, 5.740



18, 22.828, 135.740



18, 22.828, 185.740

Sweetspot

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



18, 22.827, 315.740



33, 8.380, 314.502



19, 13.894, 275.380



15, 5.699, 314.539



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, 22.827, 315.740



22, 33.576, 316.125



19, 22.345, 330.769



12, 2.647, 314.265



15, 59.322, 316.330



40, 109.975, 315.563

Inverse Universe

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



19, 16.449, 357.072



23, 24.175, 358.803



25, 22.359, 145.033



12, 1.882, 352.897



19, 41.798, 12.294



48, 78.087, 16.794

Previews

White Background



This preview shows how the CIE LCh color 18, 22.828, 315.740 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, 22.828, 315.740 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, 22.828, 315.740

Background



This preview shows how black text looks on a background with the CIELCh color 18, 22.828, 315.740.



This preview shows how white text looks on a background with the CIELCh color 18, 22.828, 315.740.

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, 22.828, 315.740

Protanopia

18, 21.510, 285.393

Deuteranopia

18, 15.394, 281.254



Tritanopia
18, 6.407, 355.582

Trichromacy



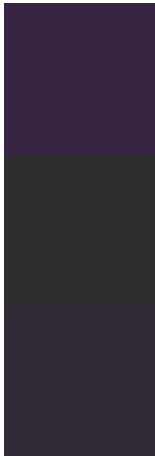
Original Color
18, 22.828, 315.740

Protanomaly
18, 21.477, 296.303

Deuteranomaly
18, 17.341, 296.937

Tritanomaly
18, 11.840, 327.612

Monochromacy



Original Color
18, 22.828, 315.740

Achromatopsia
19, 0.004, 296.813

Achromatomaly
18, 9.063, 315.459

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 22.828, 315.740 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(56, 36, 67)` looks like.

```
.text, #text, p{  
    color:rgb(56, 36, 67)  
}
```

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(56, 36, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 36, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 22.828, 315.740 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(56, 36, 67) }
```

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

```
.border{ border-color:rgb(56, 36, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 36, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 36, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 36, 67);  
box-shadow:4px 4px 4px 4px rgb(56, 36, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 22.828, 315.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 36, 67) }
```

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

```
.background{ background-color: rgb(56, 36,  
67) }
```

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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