

Converting Colors

CIELCh(18, 11.820, 301.662)

Have a look what the booklet for
CIELCh(18, 11.820, 301.662)
contains.

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Color

CIELCh(18, 11.232, 301.611)

Conversions

Conversions Part 1

Format	Color
Hex	2E2A3A
RGB	46, 42, 58
RGB Percent	18%, 16%, 23%
CMY	0.8205, 0.8362, 0.7735
CMYK	0.21, 0.28, 0.00, 0.77
HSL	255°, 16%, 20%
HSV	255°, 28%, 23%
XYZ	2.6935, 2.5180, 4.3148
YIQ	45.0200, -2.7520, 5.8240

Conversions

Conversions Part 2

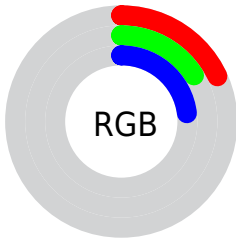
Format	Color
RYB	46, 42, 58
Decimal	3025466
CIELab	18.00, 5.89, -9.57
CIELCh	18, 11.232, 301.611
Yxy	2.5180, 0.2827, 0.2643
Android (android.graphics.Color)	4281215546 (0xFF2E2A3A)
YUV	45.0200, 6.3991, 0.8595
Hunter-Lab	15.8683, 2.5291, -5.0138

Details

The CIELCh color **18, 11.232, 301.611** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 10.692, 118.411**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 11.305, 302.005**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **16, 15.529, 302.369**, and if you desaturate by 10%, it is **20, 7.061, 300.928**.

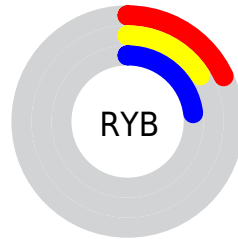
Distribution



 Red (18%)

 Green (16%)

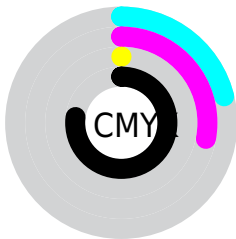
 Blue (23%)



 Red (18%)

 Yellow (16%)

 Blue (23%)

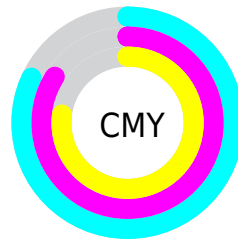


 Cyan (21%)

 Magenta (28%)

 Yellow (0%)

 Black (77%)



 Cyan (82%)

 Magenta (84%)

 Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 11.232, 301.611 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, 11.232, 301.611 by changing the saturation by 10% instead.

■ 18, 11.232,
301.611

■ 18, 11.232,
301.611

■ 100, 11.232,
301.611

■ 8, 11.232, 301.611

■ 38, 11.232,
301.611

■ 0, 11.232, 301.611

■ 48, 11.232,
301.611

■ 58, 11.232,
301.611

■ 68, 11.232,
301.611

■ 78, 11.232,
301.611

■ 88, 11.232,

301.611

98, 11.232,
301.611

18, 11.232,
301.611

18, 11.232,
301.611

16, 15.529,
302.369

20, 7.061, 300.928

13, 19.943,
303.202

23, 3.021, 300.318

25, 0.893, 119.797

11, 24.445,
304.097

27, 4.686, 119.311

9, 28.978, 305.028

29, 8.362, 118.891

7, 33.280, 305.785

32, 11.929,
118.522

5, 36.485, 305.635

■ 4, 39.319, 305.251

■ 34, 15.392,
118.199

■ 4, 39.945, 305.148

■ 36, 18.757,
117.916

■ 38, 22.029,
117.667

Harmonies

Complementary

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



18, 11.232, 301.611



23, 10.692, 118.411

Rectangle

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



18, 11.232, 301.611



18, 11.232, 351.611



18, 11.232, 121.611



18, 11.232, 171.611

Sweetspot

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



18, 11.231, 301.610



29, 3.872, 300.357



22, 5.708, 224.803



14, 2.781, 300.400



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, 11.231, 301.610



22, 16.637, 302.118



19, 12.180, 317.795



9, 2.128, 300.353



9, 61.562, 308.324



29, 116.959, 307.645

Inverse Universe

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



19, 10.997, 333.917



24, 16.112, 334.341



23, 11.993, 135.653



9, 2.129, 332.751



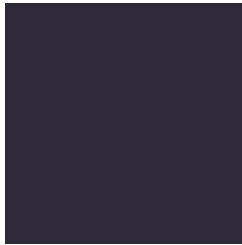
19, 45.793, 340.245



49, 85.020, 341.536

Previews

White Background



This preview shows how the CIE LCh color 18, 11.232, 301.611 looks on a white background.

Color Contrast Check

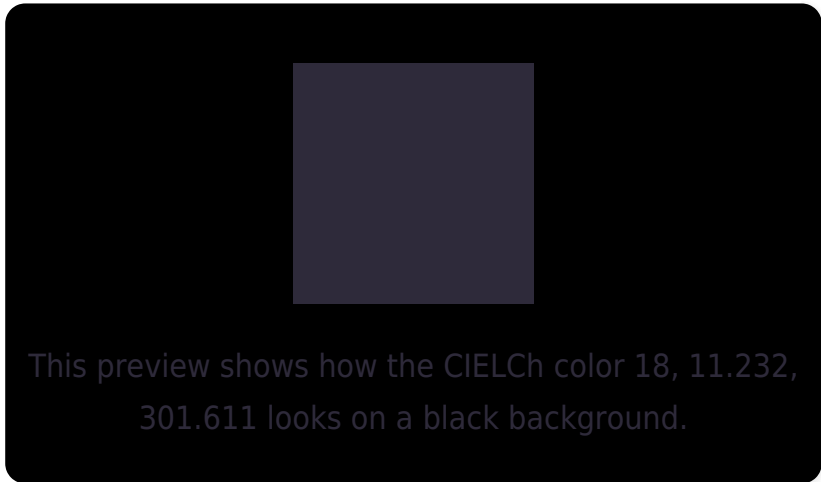
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.232, 301.611

Background



This preview shows how black text looks on a background with the CIELCh color 18, 11.232, 301.611.



This preview shows how white text looks on a background with the CIELCh color 18, 11.232, 301.611.

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, 11.232, 301.611

Protanopia

18, 10.425, 283.644

Deuteranopia

18, 9.699, 287.619



Tritanopia
18, 2.072, 290.710

Trichromacy



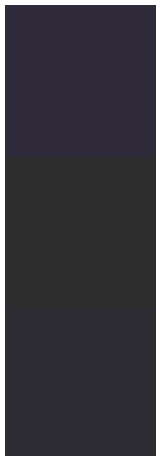
Original Color
18, 11.232, 301.611

Protanomaly
18, 11.054, 290.751

Deuteranomaly
18, 9.678, 292.570

Tritanomaly
18, 5.622, 300.782

Monochromacy



Original Color
18, 11.232, 301.611

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 4.172, 297.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 11.232, 301.611 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(46, 42, 58)` looks like.

```
.text, #text, p{  
    color:rgb(46, 42, 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(46, 42, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 42, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 11.232, 301.611 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(46, 42, 58) }
```

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

```
.border{ border-color:rgb(46, 42, 58) }
```

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

Here you see how a box with a 4 pixel rgb(46, 42, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 42, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 42, 58);  
box-shadow:4px 4px 4px 4px rgb(46, 42, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 11.232, 301.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 42, 58) }
```

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

```
.background{ background-color: rgb(46, 42,  
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](#).

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