

Converting Colors

CIELCh(18, 5.799, 302.518)

Have a look what the booklet for
CIELCh(18, 5.799, 302.518) contains.

CIELCh(18, 5.622, 300.782)	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, 5.622, 300.782)

Conversions

Conversions Part 1

Format	Color
Hex	2D2B33
RGB	45, 43, 51
RGB Percent	18%, 17%, 20%
CMY	0.8238, 0.8316, 0.8003
CMYK	0.12, 0.16, 0.00, 0.80
HSL	255°, 9%, 18%
HSV	255°, 16%, 20%
XYZ	2.5371, 2.5180, 3.4768
YIQ	44.5100, -1.3760, 2.9120

Conversions

Conversions Part 2

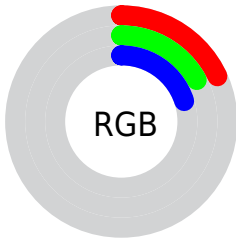
Format	Color
R_{YB}	45, 43, 51
Decimal	2960179
CIE _{Lab}	18.00, 2.88, -4.83
CIE _{LCh}	18, 5.622, 300.782
Yxy	2.5180, 0.2974, 0.2951
Android (android.graphics.Color)	4281150259 (0xFF2D2B33)
YUV	44.5100, 3.1996, 0.4297
Hunter-Lab	15.8683, 0.7694, -1.8827

Details

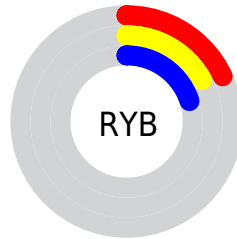
The CIELCh color **18, 5.622, 300.782** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 5.473, 119.092**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 5.699, 303.524**, and **0, 1.210, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **16, 9.344, 301.426**, and if you desaturate by 10%, it is **20, 2.012, 300.199**.

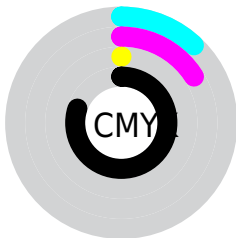
Distribution



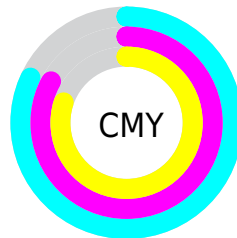
- Red (18%)
- Green (17%)
- Blue (20%)



- Red (18%)
- Yellow (17%)
- Blue (20%)



- Cyan (12%)
- Magenta (16%)
- Yellow (0%)
- Black (80%)



- Cyan (82%)
- Magenta (83%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 5.622, 300.782 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, 5.622, 300.782 by changing the saturation by 10% instead.

 18, 5.622, 300.782	 18, 5.622, 300.782
 100, 5.622, 300.782	 8, 5.622, 300.782
 38, 5.622, 300.782	 0, 5.622, 300.782
 48, 5.622, 300.782	
 58, 5.622, 300.782	
 68, 5.622, 300.782	
 78, 5.622, 300.782	
 88, 5.622, 300.782	
 98, 5.622, 300.782	

■ 18, 5.622, 300.782

■ 18, 5.622, 300.782

■ 16, 9.344, 301.426

■ 20, 2.012, 300.199

■ 14, 13.179,
302.145

■ 22, 1.487, 119.701

■ 24, 4.881, 119.243

■ 12, 17.120,
302.935

■ 26, 8.173, 118.841

■ 10, 21.149,
303.789

■ 28, 11.371,
118.488

■ 8, 25.224, 304.685

■ 30, 14.477,
118.177

■ 6, 28.638, 304.777

■ 32, 17.498,
117.904

■ 5, 31.097, 304.002

■ 3, 33.286, 303.071

■ 34, 20.439,
117.663

■ 3, 34.220, 302.766

■ 36, 23.303,
117.452

Harmonies

Complementary

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



18, 5.622, 300.782



21, 5.473, 119.092

Rectangle

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



18, 5.622, 300.782



18, 5.622, 350.782



18, 5.622, 120.782



18, 5.622, 170.782

Sweetspot

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



18, 5.621, 300.780



27, 2.200, 300.175



20, 3.003, 224.099



12, 1.469, 300.182



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, 5.621, 300.780



23, 8.542, 301.049



18, 6.163, 317.325



8, 1.956, 300.293



8, 60.344, 308.360



29, 115.925, 307.652

Inverse Universe

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



19, 5.589, 333.174



24, 8.454, 333.423



20, 6.107, 136.203



8, 1.960, 332.738



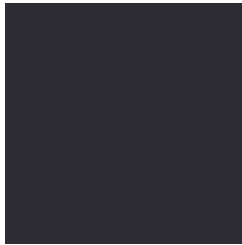
18, 44.933, 340.193



49, 84.282, 341.530

Previews

White Background



This preview shows how the CIELCh color 18, 5.622, 300.782 looks on a white background.

Color Contrast Check

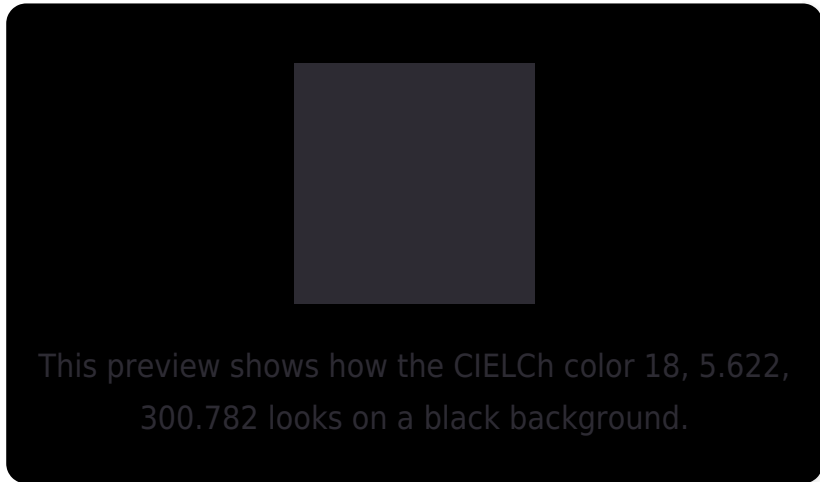
Large Text (above 18pt) WCAG AA ✓ Pass

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

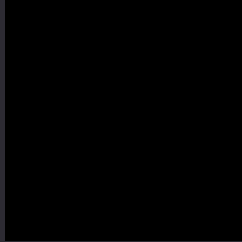
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 5.622, 300.782

Background



This preview shows how black text looks on a background with the CIELCh color 18, 5.622, 300.782.

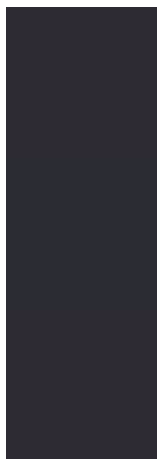


This preview shows how white text looks on a background with the CIELCh color 18, 5.622, 300.782.

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, 5.622, 300.782

Protanopia

18, 4.844, 286.093

Deuteranopia

18, 5.622, 300.782



Tritanopia
18, 2.072, 290.710

Trichromacy



Original Color

18, 5.622, 300.782

Protanomaly

18, 4.831, 291.384

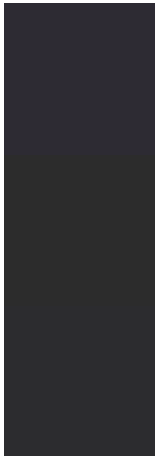
Deuteranomaly

18, 5.622, 300.782

Tritanomaly

18, 2.762, 290.879

Monochromacy



Original Color

18, 5.622, 300.782

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 2.072, 290.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 5.622, 300.782 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(45, 43, 51)` looks like.

```
.text, #text, p{  
    color:rgb(45, 43, 51)  
}
```

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(45, 43, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 43, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 5.622, 300.782 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(45, 43, 51) }
```

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

```
.border{ border-color:rgb(45, 43, 51) }
```

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

Here you see how a box with a 4 pixel rgb(45, 43, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 43, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 43, 51);  
box-shadow:4px 4px 4px 4px rgb(45, 43, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 5.622, 300.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 43, 51) }
```

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

```
.background{ background-color: rgb(45, 43,  
51) }
```

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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