

Converting Colors

CIELCh(18, 10.056, 307.085)

Have a look what the booklet for
CIELCh(18, 10.056, 307.085)
contains.

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Color

CIELCh(18, 9.962, 305.166)

Conversions

Conversions Part 1

Format	Color
Hex	2F2A38
RGB	47, 42, 56
RGB Percent	18%, 16%, 22%
CMY	0.8167, 0.8363, 0.7815
CMYK	0.16, 0.25, 0.00, 0.78
HSL	261°, 14%, 19%
HSV	261°, 25%, 22%
XYZ	2.6856, 2.5180, 4.0505
YIQ	45.0910, -1.5140, 5.4140

Conversions

Conversions Part 2

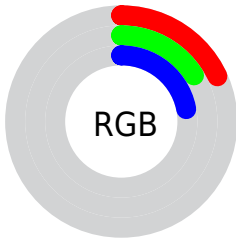
Format	Color
R_YB	47, 42, 56
Decimal	3091000
CIE Lab	18.00, 5.74, -8.14
CIE LCh	18, 9.962, 305.166
Yxy	2.5180, 0.2902, 0.2721
Android (android.graphics.Color)	4281281080 (0xFF2F2A38)
YUV	45.0910, 5.3781, 1.6742
Hunter-Lab	15.8683, 2.4399, -4.0263




Details

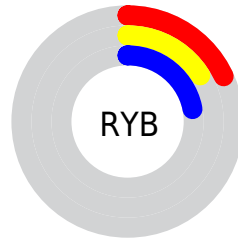
The CIELCh color **18, 9.962, 305.166** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 9.587, 122.792**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 10.187, 305.373**, and **0, 4.885, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **16, 14.121, 305.749**, and if you desaturate by 10%, it is **20, 5.909, 304.630**.

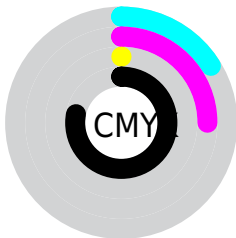
Distribution







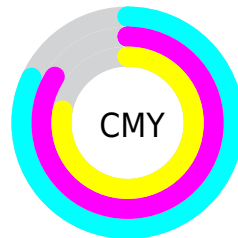
-  Red (18%)
-  Green (16%)
-  Blue (22%)






-  Red (18%)
-  Yellow (16%)
-  Blue (22%)



-  Cyan (16%)
-  Magenta (25%)
-  Yellow (0%)
-  Black (78%)



-  Cyan (82%)
-  Magenta (84%)
-  Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 9.962, 305.166 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, 9.962, 305.166 by changing the saturation by 10% instead.

 18, 9.962, 305.166

 18, 9.962, 305.166

 100, 9.962,
305.166

 8, 9.962, 305.166

 38, 9.962, 305.166

 0, 9.962, 305.166

 48, 9.962, 305.166

 58, 9.962, 305.166

 68, 9.962, 305.166

 78, 9.962, 305.166

 88, 9.962, 305.166

 98, 9.962, 305.166

18, 9.962, 305.166

18, 9.962, 305.166

16, 14.121,
305.749

20, 5.909, 304.630

14, 18.374,
306.377

22, 1.969, 304.138

12, 22.689,
307.037

24, 1.857, 123.734

10, 27.010,
307.704

27, 5.572, 123.338

8, 31.222, 308.324

29, 9.179, 122.994

6, 34.556, 308.249

31, 12.684,
122.690

5, 37.407, 307.813

33, 16.092,
122.423

4, 38.723, 307.540

35, 19.406,
122.188

37, 22.633,
121.982

Harmonies

Complementary

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



18, 9.962, 305.166



23, 9.587, 122.792

Rectangle

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



18, 9.962, 305.166



18, 9.962, 355.166



18, 9.962, 125.166



18, 9.962, 175.166

Sweetspot

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



18, 9.961, 305.165



28, 3.816, 304.296



21, 5.053, 240.128



13, 2.660, 304.326



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



18, 9.961, 305.165



22, 14.777, 305.527



19, 11.021, 321.266



9, 2.159, 304.294



10, 60.415, 309.864



31, 114.844, 309.032

Inverse Universe

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



19, 8.977, 338.283



24, 13.222, 338.733



22, 10.940, 139.157



9, 1.972, 337.146



18, 42.883, 347.404



48, 79.480, 349.624

Previews

White Background



This preview shows how the CIELCh color 18, 9.962, 305.166 looks on a white background.

Color Contrast Check

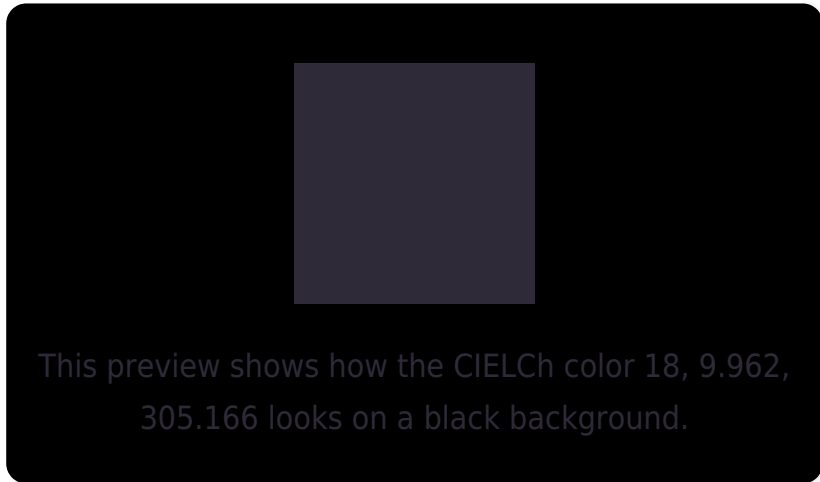
Large Text (above 18pt) WCAG AA ✓ Pass

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

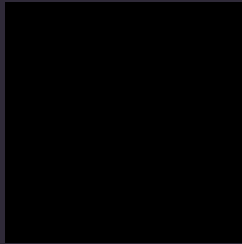
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 9.962, 305.166

Background



This preview shows how black text looks on a background with the CIELCh color 18, 9.962, 305.166.



This preview shows how white text looks on a background with the CIELCh color 18, 9.962, 305.166.

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, 9.962, 305.166

Protanopia

18, 9.021, 284.348

Deuteranopia

18, 8.304, 289.286



Tritanopia
18, 2.933, 309.363

Trichromacy



Original Color

18, 9.962, 305.166

Protanomaly

18, 9.678, 292.570

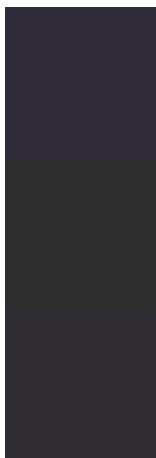
Deuteranomaly

18, 8.317, 295.225

Tritanomaly

18, 5.049, 307.101

Monochromacy



Original Color

18, 9.962, 305.166

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 3.582, 305.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 9.962, 305.166 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(47, 42, 56)` looks like.

```
.text, #text, p{  
    color:rgb(47, 42, 56)  
}
```

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(47, 42, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 42, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 9.962, 305.166 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(47, 42, 56) }
```

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

```
.border{ border-color:rgb(47, 42, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 42, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 42, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 42, 56);  
box-shadow:4px 4px 4px 4px rgb(47, 42, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 9.962, 305.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 42, 56) }
```

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

```
.background{ background-color: rgb(47, 42,  
56) }
```

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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