

Converting Colors

CIELCh(18, 9.117, 290.185)

Have a look what the booklet for
CIELCh(18, 9.117, 290.185) contains.

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Color

CIELCh(18, 8.992, 289.701)

Conversions

Conversions Part 1

Format	Color
Hex	2A2B38
RGB	42, 43, 56
RGB Percent	16%, 17%, 22%
CMY	0.8348, 0.8309, 0.7799
CMYK	0.25, 0.23, 0.00, 0.78
HSL	236°, 14%, 19%
HSV	236°, 25%, 22%
XYZ	2.5449, 2.5180, 4.1093
YIQ	44.1830, -4.7690, 3.8310

Conversions

Conversions Part 2

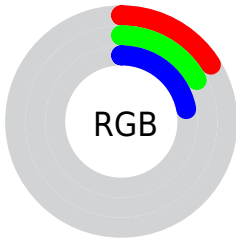
Format	Color
RYB	42, 43, 56
Decimal	2763576
CIELab	18.00, 3.03, -8.47
CIELCh	18, 8.992, 289.701
Yxy	2.5180, 0.2775, 0.2745
Android (android.graphics.Color)	4280953656 (0xFF2A2B38)
YUV	44.1830, 5.8258, -1.9145
Hunter-Lab	15.8683, 0.8578, -4.2462

Details

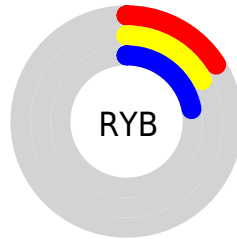
The CIELCh color **18, 8.992, 289.701** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 8.623, 104.961**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 9.244, 291.640**, and **0, 4.885, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **16, 12.807, 290.990**, and if you desaturate by 10%, it is **20, 5.302, 288.577**.

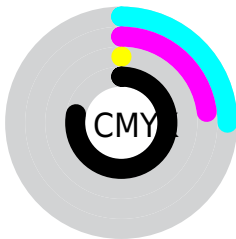
Distribution



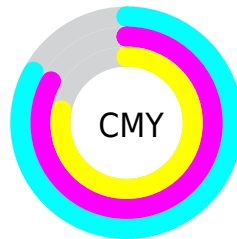
- Red (16%)
- Green (17%)
- Blue (22%)



- Red (16%)
- Yellow (17%)
- Blue (22%)



- Cyan (25%)
- Magenta (23%)
- Yellow (0%)
- Black (78%)



- Cyan (83%)
- Magenta (83%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 8.992, 289.701 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, 8.992, 289.701 by changing the saturation by 10% instead.

■ 18, 8.992, 289.701

■ 18, 8.992, 289.701

■ 100, 8.992,
289.701

■ 8, 8.992, 289.701

■ 38, 8.992, 289.701

■ 0, 8.992, 289.701

■ 48, 8.992, 289.701

■ 58, 8.992, 289.701

■ 68, 8.992, 289.701

■ 78, 8.992, 289.701

■ 88, 8.992, 289.701

■ 98, 8.992, 289.701

18, 8.992, 289.701

18, 8.992, 289.701

16, 12.807,
290.990

20, 5.302, 288.577

14, 16.756,
292.465

22, 1.731, 287.611

11, 20.843,
294.139

25, 1.731, 106.711

9, 25.061, 296.006

27, 5.090, 105.978

7, 29.239, 297.811

29, 8.352, 105.323

5, 32.460, 298.405

31, 11.523,
104.746

4, 34.824, 297.879

33, 14.607,
104.235

3, 35.953, 297.493

36, 17.610,
103.780

38, 20.535,
103.376

Harmonies

Complementary

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



18, 8.992, 289.701



23, 8.623, 104.961

Rectangle

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



18, 8.992, 289.701



18, 8.992, 339.701



18, 8.992, 109.701



18, 8.992, 159.701

Sweetspot

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



18, 8.991, 289.700



29, 3.091, 287.828



22, 6.162, 190.968



14, 2.028, 287.824



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, 8.991, 289.700



23, 13.763, 290.527



18, 10.046, 307.224



9, 1.944, 287.919



8, 59.259, 304.379



28, 116.282, 305.555

Inverse Universe

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



19, 6.931, 15.364



24, 10.690, 16.035



23, 9.705, 125.061



9, 1.464, 13.939



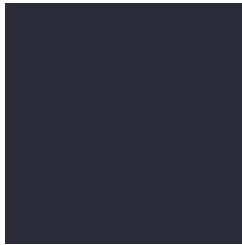
17, 44.808, 31.596



46, 90.415, 37.614

Previews

White Background



This preview shows how the CIELCh color 18, 8.992, 289.701 looks on a white background.

Color Contrast Check

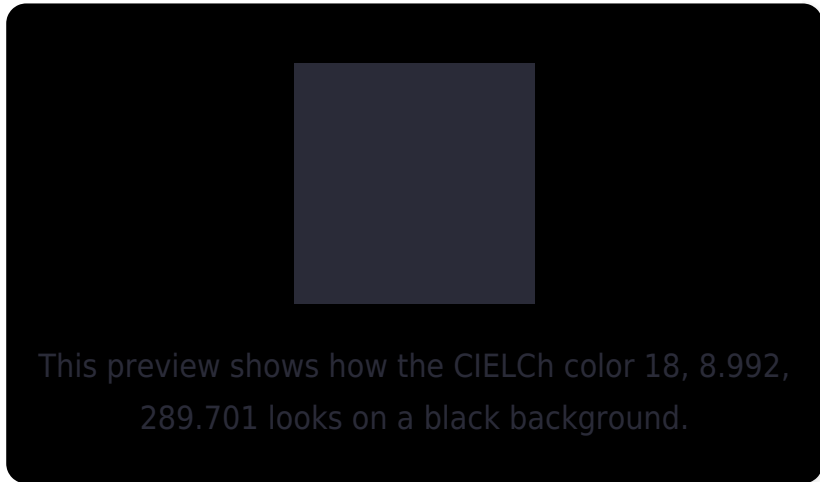
Large Text (above 18pt) WCAG AA ✓ Pass

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

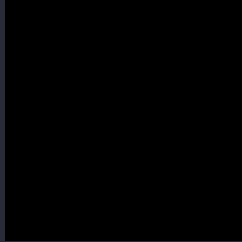
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

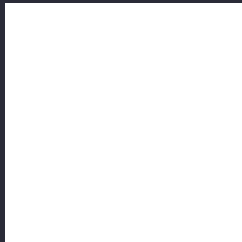
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 8.992, 289.701

Background



This preview shows how black text looks on a background with the CIELCh color 18, 8.992, 289.701.



This preview shows how white text looks on a background with the CIELCh color 18, 8.992, 289.701.

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, 8.992, 289.701

Protanopia

18, 8.343, 283.449

Deuteranopia

18, 8.992, 289.701



Tritanopia
18, 2.721, 248.828

Trichromacy



Original Color

18, 8.992, 289.701

Protanomaly

18, 8.343, 283.449

Deuteranomaly

18, 8.992, 289.701

Tritanomaly

18, 4.983, 275.934

Monochromacy



Original Color

18, 8.992, 289.701

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 2.792, 281.443

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 8.992, 289.701 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(42, 43, 56)` looks like.

```
.text, #text, p{  
    color:rgb(42, 43, 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(42, 43, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 43, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 8.992, 289.701 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(42, 43, 56) }
```

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

```
.border{ border-color:rgb(42, 43, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 43, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 43, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 43, 56);  
box-shadow:4px 4px 4px 4px rgb(42, 43, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 8.992, 289.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 43, 56) }
```

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

```
.background{ background-color: rgb(42, 43,  
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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