

Converting Colors

CIELCh(19, 8.622, 287.826)

Have a look what the booklet for
CIELCh(19, 8.622, 287.826) contains.

CIELCh(19, 8.932, 289.618)	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(19, 8.932, 289.618)

Conversions

Conversions Part 1

Format	Color
Hex	2C2D3A
RGB	44, 45, 58
RGB Percent	17%, 18%, 23%
CMY	0.8264, 0.8225, 0.7715
CMYK	0.24, 0.22, 0.00, 0.77
HSL	236°, 14%, 20%
HSV	236°, 24%, 23%
XYZ	2.7696, 2.7468, 4.4243
YIQ	46.1830, -4.7690, 3.8310

Conversions

Conversions Part 2

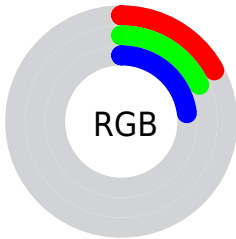
Format	Color
R_{YB}	44, 45, 58
Decimal	2895162
CIE Lab	19.00, 3.00, -8.41
CIE LCh	19, 8.932, 289.618
Yxy	2.7468, 0.2786, 0.2763
Android (android.graphics.Color)	4281085242 (0xFF2C2D3A)
YUV	46.1830, 5.8258, -1.9145
Hunter-Lab	16.5735, 0.8252, -4.2260

Details

The CIELCh color **19, 8.932, 289.618** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 8.577, 105.031**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 8.581, 288.869**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **17, 12.860, 290.904**, and if you desaturate by 10%, it is **21, 5.133, 288.498**.

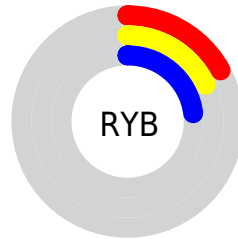
Distribution



Red (17%)

Green (18%)

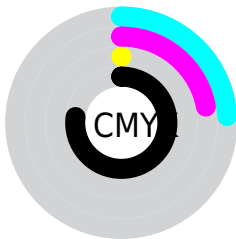
Blue (23%)



Red (17%)

Yellow (18%)

Blue (23%)

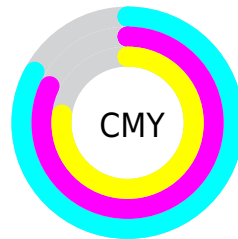


Cyan (24%)

Magenta (22%)

Yellow (0%)

Black (77%)



Cyan (83%)

Magenta (82%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 8.932, 289.618 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 19, 8.932, 289.618 by changing the saturation by 10% instead.

■ 19, 8.932, 289.618

■ 19, 8.932, 289.618

■ 100, 8.932,
289.618

■ 9, 8.932, 289.618

■ 0, 8.932, 289.618

■ 39, 8.932, 289.618

■ 49, 8.932, 289.618

■ 59, 8.932, 289.618

■ 69, 8.932, 289.618

■ 79, 8.932, 289.618

■ 89, 8.932, 289.618

■ 99, 8.932, 289.618

■ 19, 8.932, 289.618

■ 19, 8.932, 289.618

■ 17, 12.860,
290.904

■ 21, 5.133, 288.498

■ 14, 16.928,
292.378

■ 24, 1.457, 287.541

■ 12, 21.139,
294.053

■ 26, 2.107, 106.644

■ 10, 25.487,
295.925

■ 30, 8.920, 105.261

■ 8, 29.921, 297.938

■ 33, 12.183,
104.687

■ 6, 33.587, 299.003

■ 35, 15.356,
104.180

■ 4, 36.232, 298.845

■ 37, 18.445,
103.729

■ 4, 37.635, 298.412

■ 39, 21.453,
103.327

Harmonies

Complementary

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



19, 8.932, 289.618



24, 8.577, 105.031

Rectangle

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



19, 8.932, 289.618



19, 8.932, 339.618



19, 8.932, 109.618



19, 8.932, 159.618

Sweetspot

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



19, 8.931, 289.616



31, 3.180, 287.836



23, 6.138, 191.016



14, 2.028, 287.829



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



19, 8.931, 289.616



24, 13.666, 290.415



19, 9.980, 307.187



9, 1.944, 287.924



8, 59.265, 304.381



28, 116.287, 305.556

Inverse Universe

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



20, 6.877, 15.303



25, 10.603, 15.947



24, 9.652, 125.093



9, 1.464, 13.948



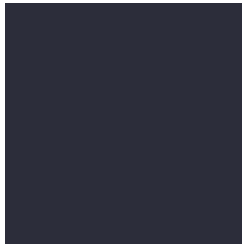
17, 44.810, 31.600



46, 90.420, 37.619

Previews

White Background



This preview shows how the CIELCh color 19, 8.932, 289.618 looks on a white background.

Color Contrast Check

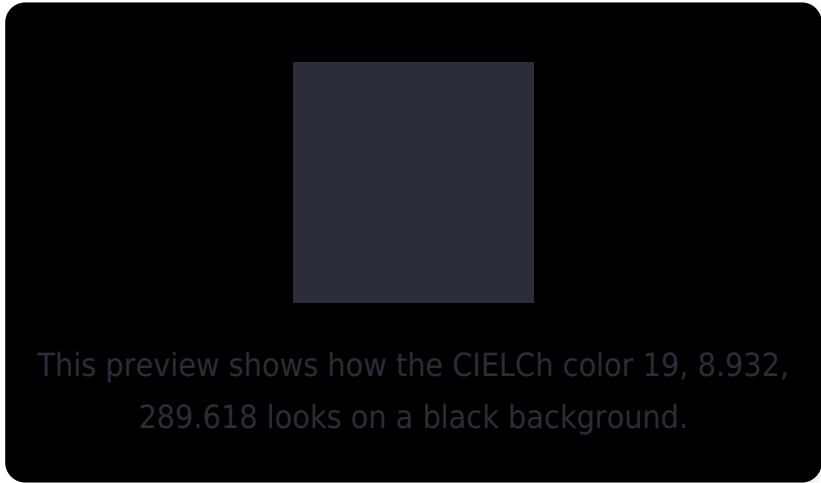
Large Text (above 18pt) WCAG AA ✓ Pass

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

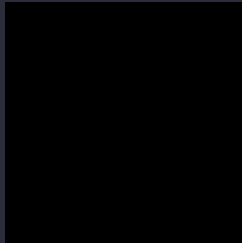
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 8.932, 289.618

Background



This preview shows how black text looks on a background with the CIELCh color 19, 8.932, 289.618.



This preview shows how white text looks on a background with the CIELCh color 19, 8.932, 289.618.

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

19, 8.932, 289.618

Protanopia

19, 8.962, 284.243

Deuteranopia

19, 8.932, 289.618



Tritanopia
19, 2.705, 248.780

Trichromacy



Original Color

19, 8.932, 289.618

Protanomaly

19, 8.962, 284.243

Deuteranomaly

19, 8.932, 289.618

Tritanomaly

19, 4.951, 275.860

Monochromacy



Original Color

19, 8.932, 289.618

Achromatopsia

19, 0.004, 296.813

Achromatomaly

19, 2.774, 281.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 8.932, 289.618 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(44, 45, 58)` looks like.

```
.text, #text, p{  
    color:rgb(44, 45, 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(44, 45, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 45, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 8.932, 289.618 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(44, 45, 58) }
```

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

```
.border{ border-color:rgb(44, 45, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 45, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 45, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 45, 58);  
box-shadow:4px 4px 4px 4px rgb(44, 45, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 8.932, 289.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 45, 58) }
```

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

```
.background{ background-color: rgb(44, 45,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor