

Converting Colors

CIELCh(9, 21.255, 312.226)

Have a look what the booklet for
CIELCh(9, 21.255, 312.226) contains.

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Color

CIELCh(9, 21.498, 311.551)

Conversions

Conversions Part 1

Format	Color
Hex	21132F
RGB	33, 19, 47
RGB Percent	13%, 7%, 18%
CMY	0.8701, 0.9251, 0.8152
CMYK	0.30, 0.59, 0.00, 0.82
HSL	270°, 42%, 13%
HSV	270°, 59%, 18%
XYZ	1.3813, 1.0010, 2.8226
YIQ	26.3780, -0.6440, 11.6760

Conversions

Conversions Part 2

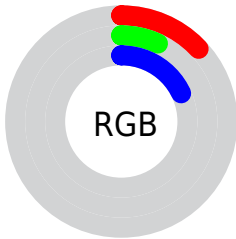
Format	Color
R_{YB}	33, 19, 47
Decimal	2167599
CIE Lab	9.00, 14.26, -16.09
CIE LCh	9, 21.498, 311.551
Yxy	1.0010, 0.2654, 0.1923
Android (android.graphics.Color)	4280357679 (0xFF21132F)
YUV	26.3780, 10.1666, 5.8075
Hunter-Lab	10.0051, 7.1352, -9.7232

Details

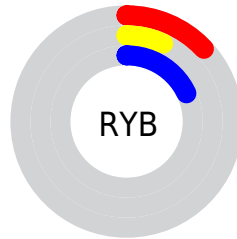
The CIELCh color **9, 21.498, 311.551** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **18, 20.002, 126.811**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **29, 21.021, 311.107**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **7, 25.065, 311.885**, and if you desaturate by 10%, it is **11, 17.794, 311.111**.

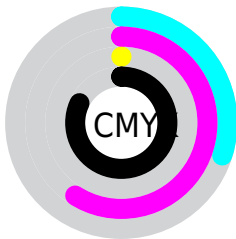
Distribution



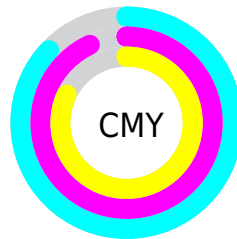
- Red (13%)
- Green (7%)
- Blue (18%)



- Red (13%)
- Yellow (7%)
- Blue (18%)



- Cyan (30%)
- Magenta (59%)
- Yellow (0%)
- Black (82%)



- Cyan (87%)
- Magenta (93%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 9, 21.498, 311.551 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 9, 21.498, 311.551 by changing the saturation by 10% instead.

■ 9, 21.498, 311.551

■ 9, 21.498, 311.551

■ 99, 21.498,
311.551

■ 0, 21.498, 311.551

■ 29, 21.498,
311.551

■ 39, 21.498,
311.551

■ 49, 21.498,
311.551

■ 59, 21.498,
311.551

■ 69, 21.498,
311.551

■ 79, 21.498,
311.551

89, 21.498,
311.551

9, 21.498, 311.551

9, 21.498, 311.551

7, 25.065, 311.885

11, 17.794,
311.111

6, 27.828, 311.525

12, 14.085,
310.663

5, 30.105, 310.801

4, 32.213, 309.921

14, 10.412,
310.223

4, 32.326, 309.867

16, 6.801, 309.803

18, 3.265, 309.404

20, 0.187, 129.287

21, 3.552, 128.734

■ 23, 6.831, 128.426

■ 25, 10.025,
128.150

Harmonies

Complementary

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



9, 21.498, 311.551



18, 20.002, 126.811

Rectangle

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



9, 21.498, 311.551



9, 21.498, 1.551



9, 21.498, 131.551



9, 21.498, 181.551

Sweetspot

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



9, 21.498, 311.551



22, 7.841, 309.785



12, 11.188, 264.593



9, 5.323, 309.808



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



9, 21.498, 311.551



11, 31.951, 312.157



11, 23.035, 326.988



7, 1.715, 308.664



11, 56.411, 312.774



34, 109.512, 311.790

Inverse Universe

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



10, 16.724, 348.857



13, 24.185, 350.983



17, 23.148, 140.479



7, 1.374, 344.201



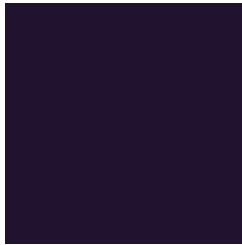
16, 38.928, 358.546



46, 74.243, 2.478

Previews

White Background



This preview shows how the CIELCh color 9, 21.498, 311.551 looks on a white background.

Color Contrast Check

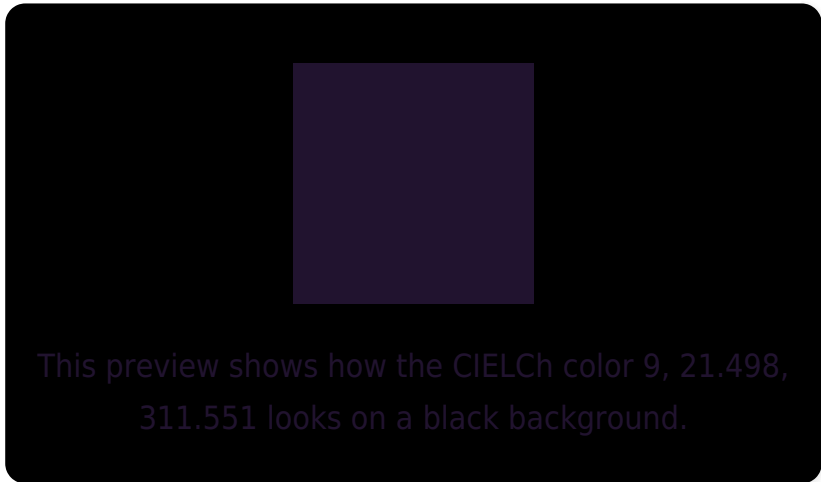
Large Text (above 18pt) WCAG AA ✓ Pass

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 9, 21.498, 311.551

Background



This preview shows how black text looks on a background with the CIELCh color 9, 21.498, 311.551.



This preview shows how white text looks on a background with the CIELCh color 9, 21.498, 311.551.

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


9, 21.498, 311.551

Protanopia

9, 21.385, 279.262

Deuteranopia

9, 15.471, 275.074



Tritanopia
9, 2.542, 344.437

Trichromacy



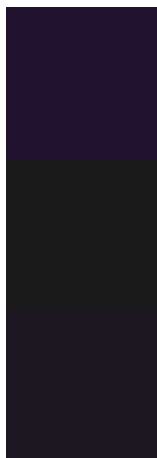
Original Color
9, 21.498, 311.551

Protanomaly
8, 20.987, 288.424

Deuteranomaly
8, 17.233, 289.844

Tritanomaly
9, 8.894, 314.731

Monochromacy



Original Color
9, 21.498, 311.551

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 8.736, 311.749

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 9, 21.498, 311.551 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(33, 19, 47)` looks like.

```
.text, #text, p{  
    color:rgb(33, 19, 47)  
}
```

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(33, 19, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 19, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 9, 21.498, 311.551 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(33, 19, 47) }
```

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

```
.border{ border-color:rgb(33, 19, 47) }
```

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

Here you see how a box with a 4 pixel rgb(33, 19, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 19, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 19, 47);  
box-shadow:4px 4px 4px 4px rgb(33, 19, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 9, 21.498, 311.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 19, 47) }
```

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

```
.background{ background-color: rgb(33, 19,  
47) }
```

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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