

Converting Colors

CIELCh(7, 20.729, 296.795)

Have a look what the booklet for
CIELCh(7, 20.729, 296.795) contains.

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Color

CIELCh(7, 21.069, 296.933)

Conversions

Conversions Part 1

Format	Color
Hex	12122E
RGB	18, 18, 46
RGB Percent	7%, 7%, 18%
CMY	0.9283, 0.9281, 0.8183
CMYK	0.61, 0.60, 0.00, 0.82
HSL	240°, 43%, 13%
HSV	240°, 61%, 18%
XYZ	0.9761, 0.7749, 2.7163
YIQ	21.1920, -8.9880, 8.7080

Conversions

Conversions Part 2

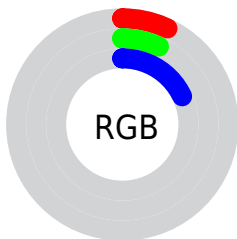
Format	Color
R_{YB}	18, 18, 46
Decimal	1184302
CIE _{Lab}	7.00, 9.54, -18.78
CIE _{LCh}	7, 21.069, 296.933
Yxy	0.7749, 0.2185, 0.1735
Android (android.graphics.Color)	4279374382 (0xFF12122E)
YUV	21.1920, 12.2303, -2.7994
Hunter-Lab	8.8031, 4.3868, -12.1325

Details

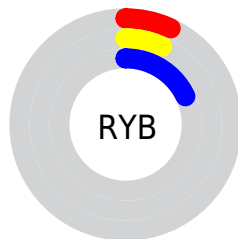
The CIELCh color **7, 21.069, 296.933** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **18, 18.513, 105.375**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **27, 20.941, 297.228**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **5, 23.890, 296.589**, and if you desaturate by 10%, it is **9, 17.417, 295.713**.

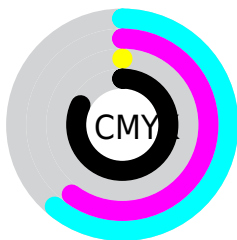
Distribution



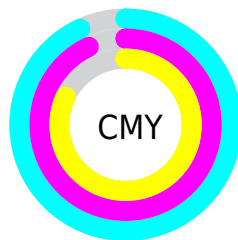
- Red (7%)
- Green (7%)
- Blue (18%)



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



- Cyan (61%)
- Magenta (60%)
- Yellow (0%)
- Black (82%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 7, 21.069, 296.933 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 7, 21.069, 296.933 by changing the saturation by 10% instead.

■ 7, 21.069, 296.933

■ 7, 21.069, 296.933

■ 97, 21.069,
296.933

■ 0, 21.069, 296.933

■ 27, 21.069,
296.933

■ 37, 21.069,
296.933

■ 47, 21.069,
296.933

■ 57, 21.069,
296.933

■ 67, 21.069,
296.933

■ 77, 21.069,
296.933

87, 21.069,
296.933

7, 21.069, 296.933

7, 21.069, 296.933

5, 23.890, 296.589

9, 17.417, 295.713

4, 26.039, 295.948

11, 13.728,
294.290

3, 28.016, 295.436

13, 10.163,
293.033

2, 29.887, 295.015

15, 6.720, 291.932

17, 3.394, 290.973

19, 0.175, 290.260

21, 2.942, 109.383

■ 23, 5.963, 108.743

■ 25, 8.895, 108.179

Harmonies

Complementary

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



7, 21.069, 296.933



18, 18.513, 105.375

Rectangle

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



7, 21.069, 296.933



7, 21.069, 346.933



7, 21.069, 116.933



7, 21.069, 166.933

Sweetspot

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



7, 21.069, 296.934



21, 7.426, 291.783



17, 11.092, 195.462



8, 5.043, 291.841



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



7, 21.069, 296.934



8, 33.138, 300.247



9, 21.558, 311.071



7, 1.616, 290.095



6, 60.225, 305.861



26, 117.214, 306.263

Inverse Universe

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



10, 15.668, 23.696



12, 24.636, 27.220



17, 19.969, 126.183



7, 1.112, 19.112



16, 43.757, 33.443



45, 91.576, 39.917

Previews

White Background



This preview shows how the CIELCh color 7, 21.069, 296.933 looks on a white background.

Color Contrast Check

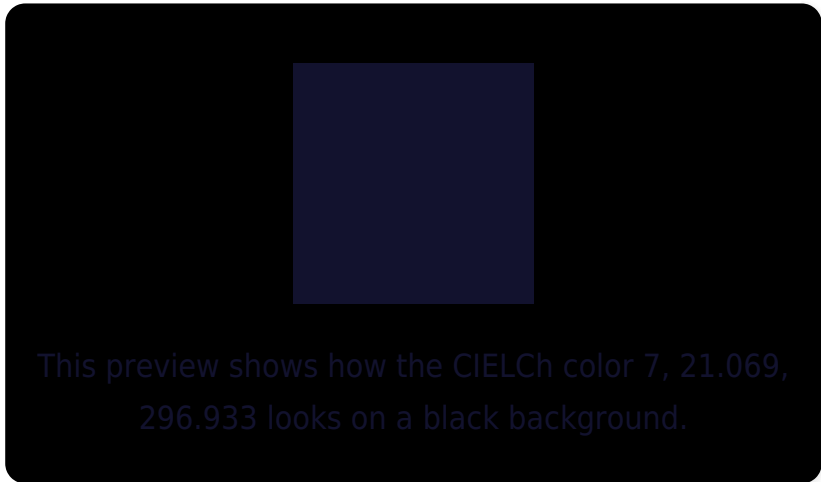
Large Text (above 18pt) WCAG AA ✓ Pass

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

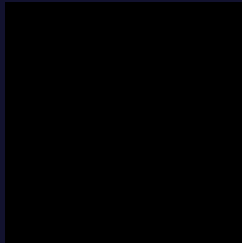
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 7, 21.069, 296.933

Background



This preview shows how black text looks on a background with the CIELCh color 7, 21.069, 296.933.



This preview shows how white text looks on a background with the CIELCh color 7, 21.069, 296.933.

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

7, 21.069, 296.933

Protanopia

7, 18.703, 276.537

Deuteranopia

7, 14.235, 264.798



Tritanopia
7, 5.995, 214.052

Trichromacy



Original Color
7, 21.069, 296.933

Protanomaly
7, 18.997, 284.089

Deuteranomaly
7, 16.195, 279.040

Tritanomaly
7, 9.015, 267.131

Monochromacy



Original Color
7, 21.069, 296.933

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 7.520, 292.220

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 7, 21.069, 296.933 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(18, 18, 46)` looks like.

```
.text, #text, p{  
    color:rgb(18, 18, 46)  
}
```

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(18, 18, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 18, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 7, 21.069, 296.933 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(18, 18, 46) }
```

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

```
.border{ border-color:rgb(18, 18, 46) }
```

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

Here you see how a box with a 4 pixel rgb(18, 18, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 18, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 18, 46);  
box-shadow:4px 4px 4px 4px rgb(18, 18, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 7, 21.069, 296.933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 18, 46) }
```

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

```
.background{ background-color: rgb(18, 18,  
46) }
```

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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