

Converting Colors

CIELCh(12, 10.764, 284.731)

Have a look what the booklet for
CIELCh(12, 10.764, 284.731)
contains.

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Color

CIELCh(12, 10.941, 284.727)

Conversions

Conversions Part 1

Format	Color
Hex	1B1F2E
RGB	27, 31, 46
RGB Percent	11%, 12%, 18%
CMY	0.8943, 0.8786, 0.8198
CMYK	0.41, 0.33, 0.00, 0.82
HSL	227°, 26%, 14%
HSV	227°, 41%, 18%
XYZ	1.4313, 1.4064, 2.7751
YIQ	31.5140, -7.1990, 3.8170

Conversions

Conversions Part 2

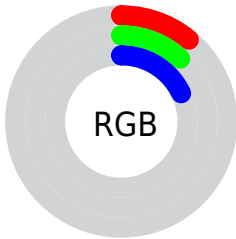
Format	Color
RYB	27, 30, 46
Decimal	1777454
CIELab	12.00, 2.78, -10.58
CIELCh	12, 10.941, 284.727
Yxy	1.4064, 0.2550, 0.2506
Android (android.graphics.Color)	4279967534 (0xFF1B1F2E)
YUV	31.5140, 7.1416, -3.9588
Hunter-Lab	11.8591, 0.7899, -5.5728

Details

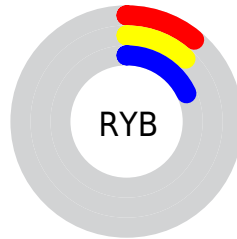
The CIELCh color **12, 10.941, 284.727** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 10.538, 95.757**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 10.843, 283.728**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 13.761, 286.370**, and if you desaturate by 10%, it is **14, 8.194, 283.279**.

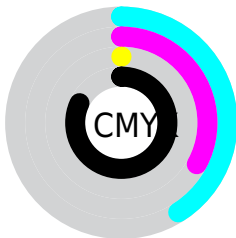
Distribution



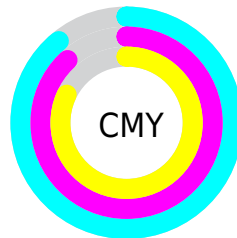
- Red (11%)
- Green (12%)
- Blue (18%)



- Red (11%)
- Yellow (12%)
- Blue (18%)



- Cyan (41%)
- Magenta (33%)
- Yellow (0%)
- Black (82%)



- Cyan (89%)
- Magenta (88%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 10.941, 284.727 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 12, 10.941, 284.727 by changing the saturation by 10% instead.

■ 12, 10.941,
284.727

■ 12, 10.941,
284.727

■ 100, 10.941,
284.727

■ 2, 10.941, 284.727

■ 32, 10.941,
284.727

■ 0, 10.941, 284.727

■ 42, 10.941,
284.727


■ 52, 10.941,
284.727


■ 62, 10.941,
284.727


■ 72, 10.941,
284.727


■ 82, 10.941,

284.727

 92, 10.941,
284.727

 12, 10.941,
284.727

 12, 10.941,
284.727

 10, 13.761,
286.370

 14, 8.194, 283.279

 9, 16.661, 288.223

 15, 5.515, 282.006

 7, 19.535, 289.931

 17, 2.899, 280.893

 6, 21.922, 290.430

 19, 0.343, 280.053

 5, 23.920, 290.324

 20, 2.156, 98.978

 4, 25.370, 289.856

 22, 4.601, 98.214

 24, 6.994, 97.524

■ 25, 9.337, 96.905

■ 27, 11.631, 96.348

Harmonies

Complementary

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



12, 10.941, 284.727



17, 10.538, 95.757

Rectangle

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



12, 10.941, 284.727



12, 10.941, 334.727



12, 10.941, 104.727



12, 10.941, 154.727

Sweetspot

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



12, 10.941, 284.727



22, 3.771, 281.028



17, 8.914, 178.756



10, 2.530, 281.016



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



12, 10.941, 284.727



14, 16.489, 286.602



11, 14.124, 303.605



7, 1.307, 280.238



10, 49.019, 299.804



31, 102.287, 302.345

Inverse Universe

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



12, 10.187, 6.367



15, 15.349, 7.964



18, 13.163, 119.163



7, 1.165, 2.915



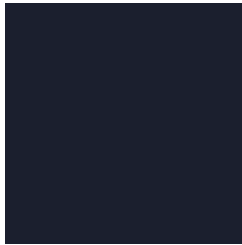
16, 40.518, 23.583



45, 81.321, 29.235

Previews

White Background



This preview shows how the CIELCh color 12, 10.941, 284.727 looks on a white background.

Color Contrast Check

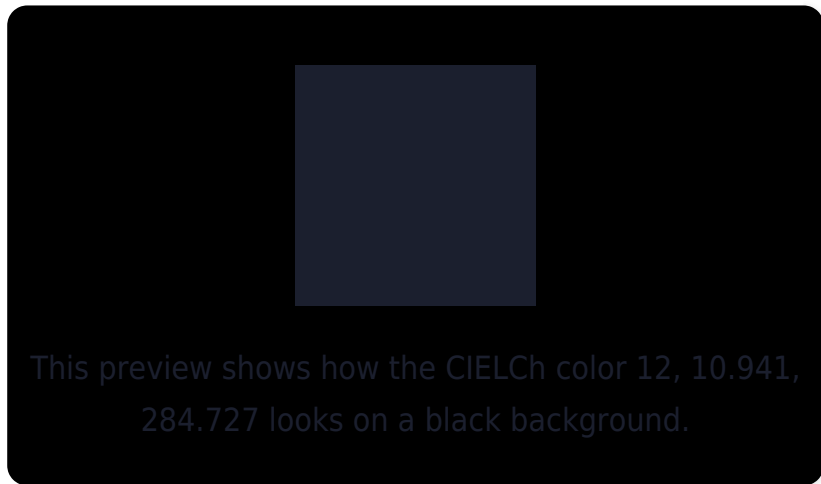
Large Text (above 18pt) WCAG AA ✓ Pass

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

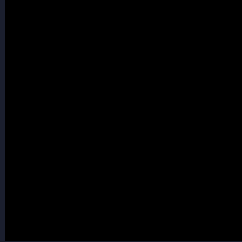
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 10.941, 284.727

Background



This preview shows how black text looks on a background with the CIELCh color 12, 10.941, 284.727.



This preview shows how white text looks on a background with the CIELCh color 12, 10.941, 284.727.

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

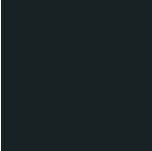
12, 10.941, 284.727

Protanopia

12, 10.941, 284.727

Deuteranopia

12, 10.995, 282.685



Tritanopia
12, 4.560, 227.184

Trichromacy



Original Color
12, 10.941, 284.727

Protanomaly
12, 10.941, 284.727

Deuteranomaly
12, 10.995, 282.685

Tritanomaly
12, 6.456, 263.635

Monochromacy



Original Color
12, 10.941, 284.727

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 3.653, 283.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 10.941, 284.727 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(27, 31, 46)` looks like.

```
.text, #text, p{  
    color:rgb(27, 31, 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(27, 31, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 31, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 10.941, 284.727 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(27, 31, 46) }
```

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

```
.border{ border-color:rgb(27, 31, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 31, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 31, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 31, 46);  
box-shadow:4px 4px 4px 4px rgb(27, 31, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 10.941, 284.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 31, 46) }
```

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

```
.background{ background-color: rgb(27, 31,  
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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