

Converting Colors

CIELCh(17, 12.174, 301.986)

Have a look what the booklet for
CIELCh(17, 12.174, 301.986)
contains.

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Color

CIELCh(17, 12.781, 302.846)

Conversions

Conversions Part 1

Format	Color
Hex	2C2739
RGB	44, 39, 57
RGB Percent	17%, 15%, 22%
CMY	0.8266, 0.8462, 0.7756
CMYK	0.23, 0.31, 0.00, 0.78
HSL	257°, 19%, 19%
HSV	257°, 31%, 22%
XYZ	2.5241, 2.3023, 4.2109
YIQ	42.5470, -2.7980, 6.6580

Conversions

Conversions Part 2

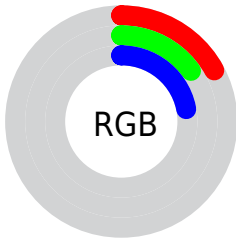
Format	Color
RYB	44, 39, 57
Decimal	2893625
CIELab	17.00, 6.93, -10.74
CIELCh	17, 12.781, 302.846
Yxy	2.3023, 0.2793, 0.2548
Android (android.graphics.Color)	4281083705 (0xFF2C2739)
YUV	42.5470, 7.1253, 1.2743
Hunter-Lab	15.1734, 3.1398, -5.8325

Details

The CIELCh color **17, 12.781, 302.846** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 12.098, 119.350**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 12.658, 302.937**, and **0, 4.948, 286.966** is the 20% darker color. If you saturate the color by 10%, you get **15, 17.091, 303.582**, and if you desaturate by 10%, it is **19, 8.588, 302.176**.

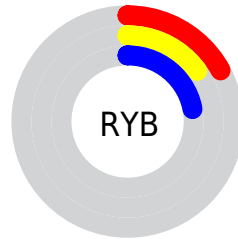
Distribution



Red (17%)

Green (15%)

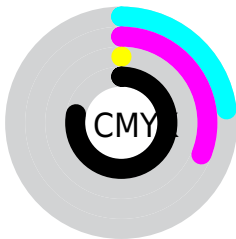
Blue (22%)



Red (17%)

Yellow (15%)

Blue (22%)

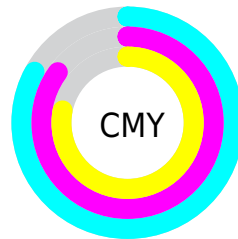


Cyan (23%)

Magenta (31%)

Yellow (0%)

Black (78%)



Cyan (83%)

Magenta (85%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 12.781, 302.846 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 17, 12.781, 302.846 by changing the saturation by 10% instead.

■ 17, 12.781,
302.846

■ 17, 12.781,
302.846

■ 100, 12.781,
302.846

■ 7, 12.781, 302.846

■ 37, 12.781,
302.846

■ 0, 12.781, 302.846

■ 47, 12.781,
302.846


■ 57, 12.781,
302.846


■ 67, 12.781,
302.846

■ 77, 12.781,
302.846


■ 87, 12.781,

302.846


 97, 12.781,
302.846

 17, 12.781,
302.846


 17, 12.781,
302.846

 15, 17.091,
303.582

 19, 8.588, 302.176

 13, 21.502,
304.381

 21, 4.520, 301.574


 10, 25.973,
305.223

 24, 0.577, 301.014

 8, 30.428, 306.075

 28, 6.952, 120.152

 6, 34.298, 306.441

 30, 10.548,
119.782

 5, 37.265, 306.110

■ 4, 39.609, 305.716

■ 33, 14.039,
119.458

■ 35, 17.431,
119.173

■ 37, 20.730,
118.923

Harmonies

Complementary

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



17, 12.781, 302.846



23, 12.098, 119.350

Rectangle

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



17, 12.781, 302.846



17, 12.781, 352.846



17, 12.781, 122.846



17, 12.781, 172.846

Sweetspot

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



17, 12.780, 302.846



29, 4.378, 301.458



21, 6.333, 229.580



14, 3.074, 301.492



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



17, 12.780, 302.846



21, 19.352, 303.452



18, 13.875, 318.976



9, 2.135, 301.396



9, 61.279, 308.681



30, 116.456, 307.956

Inverse Universe

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



18, 12.171, 335.286



23, 18.167, 335.837



22, 13.671, 136.460



9, 2.087, 333.838



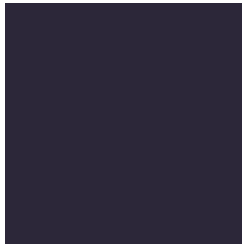
19, 44.956, 341.996



49, 83.393, 343.509

Previews

White Background



This preview shows how the CIELCh color 17, 12.781, 302.846 looks on a white background.

Color Contrast Check

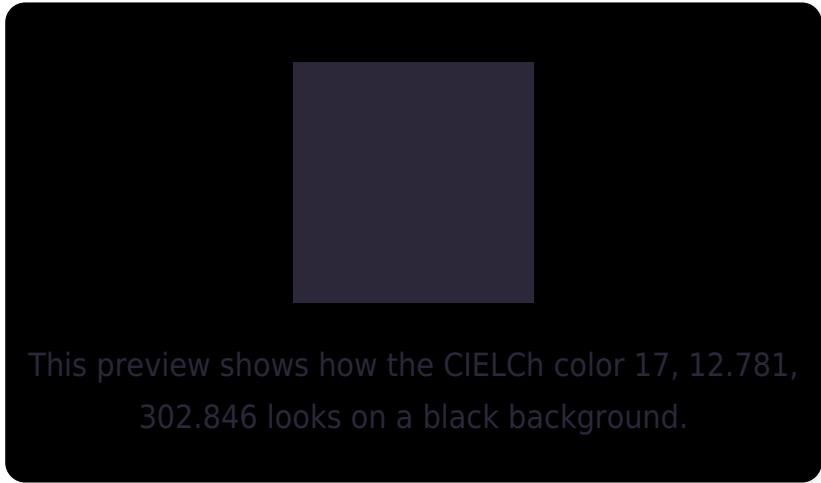
Large Text (above 18pt) WCAG AA ✓ Pass

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

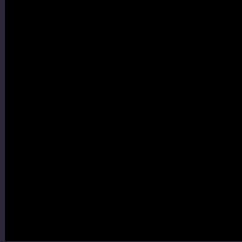
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 12.781, 302.846

Background



This preview shows how black text looks on a background with the CIELCh color 17, 12.781, 302.846.



This preview shows how white text looks on a background with the CIELCh color 17, 12.781, 302.846.

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

17, 12.781, 302.846

Protanopia

17, 12.581, 286.037

Deuteranopia

17, 11.174, 286.683



Tritanopia
17, 2.087, 290.728

Trichromacy



Original Color
17, 12.781, 302.846

Protanomaly
17, 12.556, 293.363

Deuteranomaly
17, 11.863, 293.199

Tritanomaly
17, 5.661, 300.813

Monochromacy



Original Color
17, 12.781, 302.846

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 4.201, 297.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 12.781, 302.846 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, 39, 57)` looks like.

```
.text, #text, p{  
    color:rgb(44, 39, 57)  
}
```

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, 39, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 39, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 12.781, 302.846 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, 39, 57) }
```

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

```
.border{ border-color:rgb(44, 39, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 39, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 39, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 39, 57);  
box-shadow:4px 4px 4px 4px rgb(44, 39, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 12.781, 302.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 39, 57) }
```

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

```
.background{ background-color: rgb(44, 39,  
57) }
```

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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