

Converting Colors

CIELCh(17, 34.162, 306.183)

Have a look what the booklet for
CIELCh(17, 34.162, 306.183)
contains.

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Color

CIELCh(17, 34.163, 306.182)

Conversions

Conversions Part 1

Format	Color
Hex	302152
RGB	48, 33, 82
RGB Percent	19%, 13%, 32%
CMY	0.8128, 0.8715, 0.6795
CMYK	0.42, 0.60, 0.00, 0.68
HSL	258°, 43%, 22%
HSV	258°, 60%, 32%
XYZ	3.2573, 2.3023, 8.2034
YIQ	43.0710, -6.7890, 18.4190

Conversions

Conversions Part 2

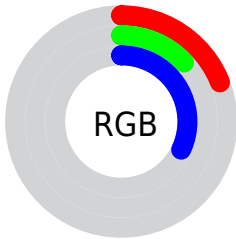
Format	Color
RYB	48, 33, 82
Decimal	3154258
CIELab	17.00, 20.17, -27.57
CIELCh	17, 34.163, 306.182
Yxy	2.3023, 0.2367, 0.1673
Android (android.graphics.Color)	4281344338 (0xFF302152)
YUV	43.0710, 19.1920, 4.3227
Hunter-Lab	15.1734, 11.7658, -21.4333

Details

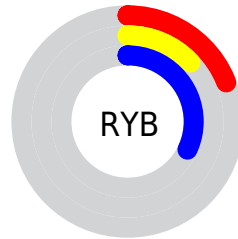
The CIELCh color **17, 34.163, 306.182** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **32, 30.233, 119.040**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 34.090, 306.290**, and **1, 22.542, 292.093** is the 20% darker color. If you saturate the color by 10%, you get **14, 40.084, 307.001**, and if you desaturate by 10%, it is **20, 28.162, 305.352**.

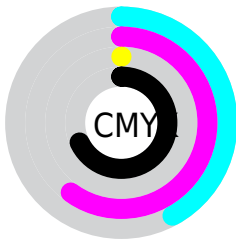
Distribution



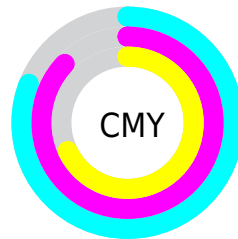
- Red (19%)
- Green (13%)
- Blue (32%)



- Red (19%)
- Yellow (13%)
- Blue (32%)



- Cyan (42%)
- Magenta (60%)
- Yellow (0%)
- Black (68%)



- Cyan (81%)
- Magenta (87%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 34.163, 306.182 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, 34.163, 306.182 by changing the saturation by 10% instead.

■ 17, 34.163,
306.182

■ 17, 34.163,
306.182

■ 100, 34.163,
306.182

■ 7, 34.163, 306.182

■ 37, 34.163,
306.182

■ 0, 34.163, 306.182

■ 47, 34.163,
306.182

■ 57, 34.163,
306.182

■ 67, 34.163,
306.182

■ 77, 34.163,
306.182

■ 87, 34.163,

306.182

97, 34.163,
306.182

17, 34.163,
306.182

17, 34.163,
306.182

14, 40.084,
307.001

20, 28.162,
305.352

12, 45.690,
307.733

23, 22.219,
304.555

10, 50.657,
308.288

26, 16.403,
303.816

7, 56.059, 309.177

29, 10.748,
303.145

7, 56.110, 309.186

32, 5.265, 302.541

■ 35, 0.043, 122.632

■ 38, 5.181, 121.548

■ 41, 10.156,
121.133

■ 44, 14.976,
120.771

Harmonies

Complementary

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



17, 34.163, 306.182



32, 30.233, 119.040

Rectangle

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



17, 34.163, 306.182



17, 34.163, 356.182



17, 34.163, 126.182



17, 34.163, 176.182

Sweetspot

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



17, 34.163, 306.182



39, 12.123, 303.065



27, 14.712, 239.097



18, 8.350, 303.178



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



17, 34.163, 306.182



19, 51.608, 307.361



20, 35.289, 321.064



15, 2.960, 302.474



11, 66.929, 308.905



32, 121.007, 308.270

Inverse Universe

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



21, 29.621, 338.903



26, 42.337, 340.365



31, 34.601, 135.590



15, 2.824, 335.021



22, 48.238, 344.157



52, 85.404, 345.645

Previews

White Background



This preview shows how the CIELCh color 17, 34.163, 306.182 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



This preview shows how the CIE LCh color 17, 34.163, 306.182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

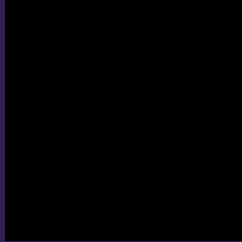
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 34.163, 306.182

Background



This preview shows how black text looks on a background with the CIELCh color 17, 34.163, 306.182.



This preview shows how white text looks on a background with the CIELCh color 17, 34.163, 306.182.

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

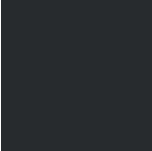
17, 34.163, 306.182

Protanopia

17, 32.326, 283.059

Deuteranopia

17, 24.267, 271.564



Tritanopia
17, 2.738, 248.881

Trichromacy



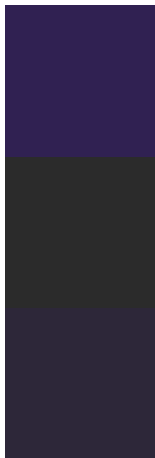
Original Color
17, 34.163, 306.182

Protanomaly
16, 32.798, 289.004

Deuteranomaly
16, 27.487, 284.532

Tritanomaly
17, 14.049, 298.724

Monochromacy



Original Color
17, 34.163, 306.182

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 12.855, 304.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 34.163, 306.182 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(48, 33, 82)` looks like.

```
.text, #text, p{  
    color:rgb(48, 33, 82)  
}
```

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(48, 33, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 33, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 34.163, 306.182 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(48, 33, 82) }
```

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

```
.border{ border-color:rgb(48, 33, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 33, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 33, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 33, 82);  
box-shadow:4px 4px 4px 4px rgb(48, 33, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 34.163, 306.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 33, 82) }
```

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

```
.background{ background-color: rgb(48, 33,  
82) }
```

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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