

Converting Colors

CIELCh(17, 10.952, 317.288)

Have a look what the booklet for
CIELCh(17, 10.952, 317.288)
contains.

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Color

CIELCh(17, 11.587, 317.800)

Conversions

Conversions Part 1

Format	Color
Hex	312635
RGB	49, 38, 53
RGB Percent	19%, 15%, 21%
CMY	0.8076, 0.8507, 0.7919
CMYK	0.08, 0.28, 0.00, 0.79
HSL	284°, 16%, 18%
HSV	284°, 28%, 21%
XYZ	2.6089, 2.3023, 3.6828
YIQ	42.9990, 1.7410, 6.9970

Conversions

Conversions Part 2

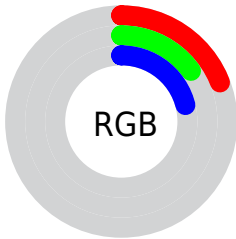
Format	Color
R_{YB}	49, 38, 53
Decimal	3221045
CIE _{Lab}	17.00, 8.58, -7.78
CIE _{LCh}	17, 11.587, 317.800
Yxy	2.3023, 0.3036, 0.2679
Android (android.graphics.Color)	4281411125 (0xFF312635)
YUV	42.9990, 4.9305, 5.2629
Hunter-Lab	15.1734, 4.1369, -3.7690

Details

The CIELCh color **17, 11.587, 317.800** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 11.408, 135.649**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 11.655, 316.583**, and **0, 2.420, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 15.748, 318.166**, and if you desaturate by 10%, it is **19, 7.439, 317.427**.

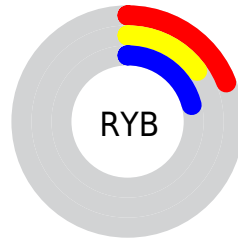
Distribution



Red (19%)

Green (15%)

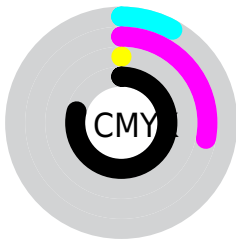
Blue (21%)



Red (19%)

Yellow (15%)

Blue (21%)

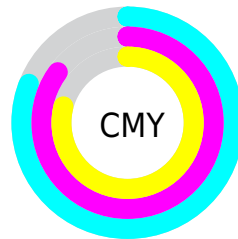


Cyan (8%)

Magenta (28%)

Yellow (0%)

Black (79%)



Cyan (81%)

Magenta (85%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 11.587, 317.800 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, 11.587, 317.800 by changing the saturation by 10% instead.

■ 17, 11.587,
317.800

■ 17, 11.587,
317.800

■ 100, 11.587,
317.800

■ 7, 11.587, 317.800

■ 37, 11.587,
317.800

■ 0, 11.587, 317.800

■ 47, 11.587,
317.800

■ 57, 11.587,
317.800

■ 67, 11.587,
317.800

■ 77, 11.587,
317.800

■ 87, 11.587,

317.800

97, 11.587,
317.800

17, 11.587,
317.800

17, 11.587,
317.800

15, 15.748,
318.166

19, 7.439, 317.427

14, 19.873,
318.514

21, 3.340, 317.051

23, 0.687, 136.831

12, 23.889,
318.825

24, 4.630, 136.402

10, 27.697,
319.077

26, 8.483, 136.079

28, 12.240,
135.781

9, 31.171, 319.240

■ 8, 34.417, 319.360

■ 30, 15.904,
135.505

■ 6, 37.700, 319.435

■ 32, 19.474,
135.251

■ 6, 38.256, 319.435

■ 34, 22.954,
135.018

Harmonies

Complementary

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



17, 11.587, 317.800



21, 11.408, 135.649

Rectangle

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



17, 11.587, 317.800



17, 11.587, 7.800



17, 11.587, 137.800



17, 11.587, 187.800

Sweetspot

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



17, 11.586, 317.800



27, 4.019, 317.056



17, 7.787, 279.460



13, 2.887, 317.082



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



17, 11.586, 317.800



22, 17.388, 318.074



17, 10.581, 333.284



8, 2.157, 317.046



15, 55.163, 319.060



42, 105.341, 318.347

Inverse Universe

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



17, 7.847, 0.829



22, 11.866, 1.681



21, 10.521, 149.964



8, 1.431, 358.871



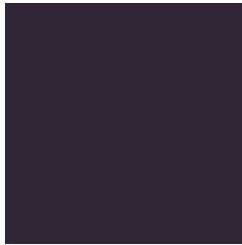
17, 40.431, 19.457



46, 79.261, 24.719

Previews

White Background



This preview shows how the CIE LCh color 17, 11.587, 317.800 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, 11.587, 317.800

Background



This preview shows how black text looks on a background with the CIELCh color 17, 11.587, 317.800.

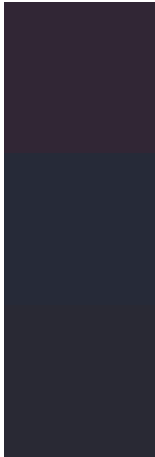


This preview shows how white text looks on a background with the CIELCh color 17, 11.587, 317.800.

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, 11.587, 317.800

Protanopia

17, 9.816, 282.892

Deuteranopia

17, 7.664, 292.144



Tritanopia
17, 4.396, 352.243

Trichromacy



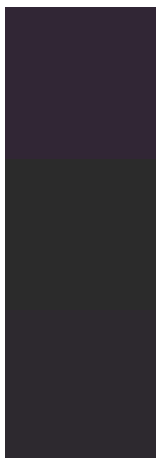
Original Color
17, 11.587, 317.800

Protanomaly
17, 9.761, 295.154

Deuteranomaly
17, 8.586, 304.205

Tritanomaly
17, 7.007, 328.500

Monochromacy



Original Color
17, 11.587, 317.800

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 4.591, 315.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 11.587, 317.800 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(49, 38, 53)` looks like.

```
.text, #text, p{  
    color:rgb(49, 38, 53)  
}
```

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(49, 38, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 38, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 11.587, 317.800 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(49, 38, 53) }
```

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

```
.border{ border-color:rgb(49, 38, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 38, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 38, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 38, 53);  
box-shadow:4px 4px 4px 4px rgb(49, 38, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 11.587, 317.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 38, 53) }
```

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

```
.background{ background-color: rgb(49, 38,  
53) }
```

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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