

Converting Colors

CIELCh(17, 23.230, 310.653)

Have a look what the booklet for
CIELCh(17, 23.230, 310.653)
contains.

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Color

CIELCh(17, 23.128, 311.187)

Conversions

Conversions Part 1

Format	Color
Hex	332343
RGB	51, 35, 67
RGB Percent	20%, 14%, 26%
CMY	0.8004, 0.8631, 0.7376
CMYK	0.24, 0.48, 0.00, 0.74
HSL	270°, 31%, 20%
HSV	270°, 48%, 26%
XYZ	2.9692, 2.3023, 5.5830
YIQ	43.4320, -0.7360, 13.3440

Conversions

Conversions Part 2

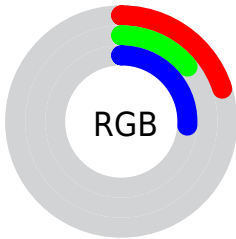
Format	Color
R_{YB}	51, 35, 67
Decimal	3351363
CIE _{Lab}	17.00, 15.23, -17.41
CIE _{LCh}	17, 23.128, 311.187
Yxy	2.3023, 0.2735, 0.2121
Android (android.graphics.Color)	4281541443 (0xFF332343)
YUV	43.4320, 11.6190, 6.6371
Hunter-Lab	15.1734, 8.3758, -11.1942

Details

The CIELCh color **17, 23.128, 311.187** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **26, 21.755, 127.093**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 22.806, 310.943**, and **1, 12.136, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 28.086, 311.655**, and if you desaturate by 10%, it is **19, 18.146, 310.706**.

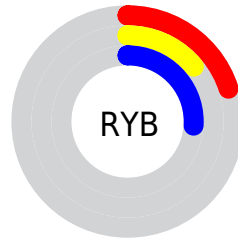
Distribution



 Red (20%)

 Green (14%)

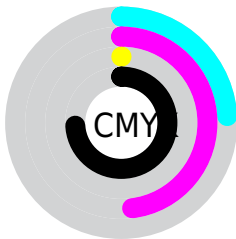
 Blue (26%)



 Red (20%)

 Yellow (14%)

 Blue (26%)

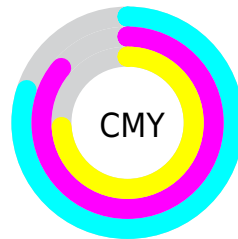


 Cyan (24%)

 Magenta (48%)

 Yellow (0%)

 Black (74%)



 Cyan (80%)

 Magenta (86%)

 Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 23.128, 311.187 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, 23.128, 311.187 by changing the saturation by 10% instead.

■ 17, 23.128,
311.187

■ 17, 23.128,
311.187

■ 100, 23.128,
311.187

■ 7, 23.128, 311.187

■ 37, 23.128,
311.187

■ 0, 23.128, 311.187

■ 47, 23.128,
311.187


■ 57, 23.128,
311.187


■ 67, 23.128,
311.187


■ 77, 23.128,
311.187


■ 87, 23.128,


311.187


 97, 23.128,
311.187


 17, 23.128,
311.187


 17, 23.128,
311.187

 15, 28.086,
311.655

 19, 18.146,
310.706

 13, 32.913,
312.075

 22, 13.210,
310.234

 11, 37.442,
312.399

 24, 8.362, 309.783

 9, 41.505, 312.587

 26, 3.624, 309.355

 7, 45.862, 312.957

 29, 0.993, 129.040

 7, 46.809, 313.021

 31, 5.486, 128.646

■ 34, 9.854, 128.326

■ 36, 14.100,
128.042

■ 38, 18.230,
127.790

Harmonies

Complementary

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



17, 23.128, 311.187



26, 21.755, 127.093

Rectangle

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



17, 23.128, 311.187



17, 23.128, 1.187



17, 23.128, 131.187



17, 23.128, 181.187

Sweetspot

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



17, 23.127, 311.187



33, 8.118, 309.642



21, 11.926, 260.945



15, 5.523, 309.683



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



17, 23.127, 311.187



20, 34.355, 311.723



19, 25.087, 326.187



11, 2.561, 309.384



13, 61.030, 312.601



36, 113.450, 311.753

Inverse Universe

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



18, 18.185, 347.909



23, 26.556, 349.373



25, 25.119, 140.833



12, 2.062, 344.209



19, 41.977, 359.167



48, 76.873, 2.594

Previews

White Background



This preview shows how the CIE LCh color 17, 23.128, 311.187 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 CIELCh color 17, 23.128, 311.187 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, 23.128, 311.187

Background



This preview shows how black text looks on a background with the CIELCh color 17, 23.128, 311.187.



This preview shows how white text looks on a background with the CIELCh color 17, 23.128, 311.187.

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, 23.128, 311.187

Protanopia

17, 22.392, 284.779

Deuteranopia

17, 16.347, 278.850



Tritanopia
17, 4.365, 340.925

Trichromacy



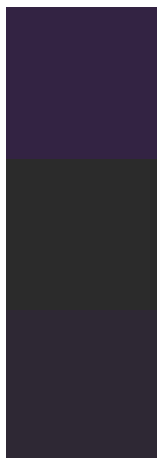
Original Color
17, 23.128, 311.187

Protanomaly
17, 22.249, 292.927

Deuteranomaly
17, 18.815, 293.724

Tritanomaly
17, 10.790, 317.145

Monochromacy



Original Color
17, 23.128, 311.187

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 8.812, 309.970

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 23.128, 311.187 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(51, 35, 67)` looks like.

```
.text, #text, p{  
    color:rgb(51, 35, 67)  
}
```

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(51, 35, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 35, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 23.128, 311.187 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(51, 35, 67) }
```

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

```
.border{ border-color:rgb(51, 35, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 35, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 35, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 35, 67);  
box-shadow:4px 4px 4px 4px rgb(51, 35, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 23.128, 311.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 35, 67) }
```

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

```
.background{ background-color: rgb(51, 35,  
67) }
```

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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