

Converting Colors

CIELCh(17, 11.728, 310.246)

Have a look what the booklet for
CIELCh(17, 11.728, 310.246)
contains.

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Color

CIELCh(17, 11.728, 310.246)

Conversions

Conversions Part 1

Format	Color
Hex	2F2737
RGB	47, 39, 55
RGB Percent	18%, 15%, 22%
CMY	0.8169, 0.8482, 0.7855
CMYK	0.15, 0.29, 0.00, 0.79
HSL	270°, 17%, 18%
HSV	270°, 29%, 21%
XYZ	2.5570, 2.3023, 3.8860
YIQ	43.2160, -0.3680, 6.6720

Conversions

Conversions Part 2

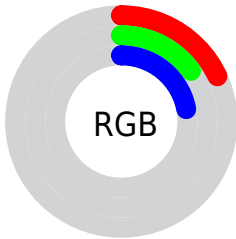
Format	Color
R_YB	47, 39, 55
Decimal	3090231
CIE Lab	17.00, 7.58, -8.95
CIE LCh	17, 11.728, 310.246
Yxy	2.3023, 0.2924, 0.2633
Android (android.graphics.Color)	4281280311 (0xFF2F2737)
YUV	43.2160, 5.8095, 3.3186
Hunter-Lab	15.1734, 3.5266, -4.5631

Details

The CIELCh color **17, 11.728, 310.246** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 11.333, 127.922**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 11.764, 309.827**, and **0, 4.033, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **15, 15.897, 310.701**, and if you desaturate by 10%, it is **19, 7.628, 309.810**.

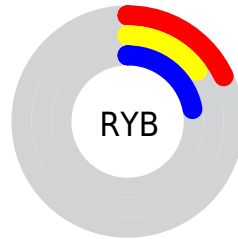
Distribution



Red (18%)

Green (15%)

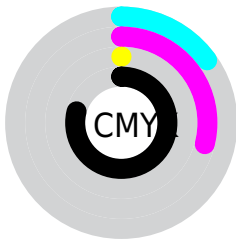
Blue (22%)



Red (18%)

Yellow (15%)

Blue (22%)

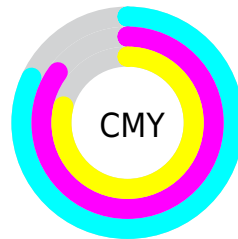


Cyan (15%)

Magenta (29%)

Yellow (0%)

Black (79%)



Cyan (82%)

Magenta (85%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 11.728, 310.246 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, 11.728, 310.246 by changing the saturation by 10% instead.

■ 17, 11.728,
310.246

■ 17, 11.728,
310.246

■ 100, 11.728,
310.246

■ 7, 11.728, 310.246

■ 37, 11.728,
310.246

■ 0, 11.728, 310.246

■ 47, 11.728,
310.246


■ 57, 11.728,
310.246


■ 67, 11.728,
310.246


■ 77, 11.728,
310.246


■ 87, 11.728,

310.246


 97, 11.728,
310.246

 17, 11.728,
310.246


 17, 11.728,
310.246

 15, 15.897,
310.701

 19, 7.628, 309.810

 13, 20.105,
311.164

 21, 3.617, 309.397


 11, 24.298,
311.616

 23, 0.296, 129.196

 9, 28.392, 312.027

 27, 7.819, 128.389

 8, 32.238, 312.334

 29, 11.430,
128.108

 6, 35.407, 312.196

■ 5, 38.348, 311.858

■ 31, 14.945,
127.858

■ 5, 38.568, 311.825

■ 33, 18.367,
127.634

■ 35, 21.700,
127.437

Harmonies

Complementary

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



17, 11.728, 310.246



22, 11.333, 127.922

Rectangle

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



17, 11.728, 310.246



17, 11.728, 0.246



17, 11.728, 130.246



17, 11.728, 180.246

Sweetspot

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



17, 11.727, 310.246



28, 4.412, 309.406



19, 6.258, 257.266



12, 3.006, 309.425



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, 11.727, 310.246



21, 17.688, 310.587



18, 13.108, 325.316



9, 2.216, 309.363



12, 58.734, 312.679



35, 111.490, 311.767

Inverse Universe

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



18, 9.382, 345.873



22, 14.083, 346.566



21, 13.094, 142.383



9, 1.785, 344.168



18, 40.461, 358.855



47, 75.563, 2.519

Previews

White Background



This preview shows how the CIELCh color 17, 11.728, 310.246 looks on a white background.

Color Contrast Check

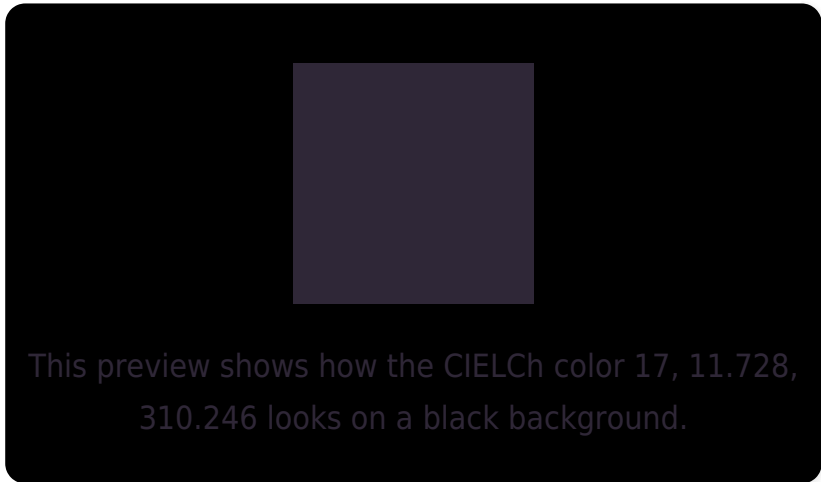
Large Text (above 18pt) WCAG AA ✓ Pass

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

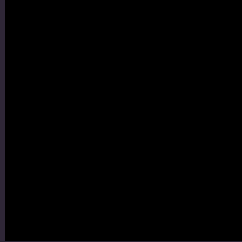
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 11.728, 310.246

Background



This preview shows how black text looks on a background with the CIELCh color 17, 11.728, 310.246.



This preview shows how white text looks on a background with the CIELCh color 17, 11.728, 310.246.

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, 11.728, 310.246

Protanopia

17, 11.174, 286.683

Deuteranopia

17, 9.055, 289.790



Tritanopia
17, 2.838, 332.766

Trichromacy



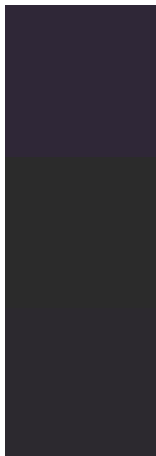
Original Color
17, 11.728, 310.246

Protanomaly
17, 11.183, 295.176

Deuteranomaly
17, 9.828, 297.700

Tritanomaly
17, 6.253, 317.873

Monochromacy



Original Color
17, 11.728, 310.246

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 4.421, 309.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 11.728, 310.246 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(47, 39, 55)` looks like.

```
.text, #text, p{  
    color:rgb(47, 39, 55)  
}
```

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(47, 39, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 39, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 11.728, 310.246 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(47, 39, 55) }
```

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

```
.border{ border-color:rgb(47, 39, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 39, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 39, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 39, 55);  
box-shadow:4px 4px 4px 4px rgb(47, 39, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 11.728, 310.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 39, 55) }
```

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

```
.background{ background-color: rgb(47, 39,  
55) }
```

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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