

Converting Colors

CIELCh(17, 22.978, 293.009)

Have a look what the booklet for
CIELCh(17, 22.978, 293.009)
contains.

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Color

CIELCh(17, 22.928, 293.176)

Conversions

Conversions Part 1

Format	Color
Hex	242748
RGB	36, 39, 72
RGB Percent	14%, 15%, 28%
CMY	0.8585, 0.8467, 0.7173
CMYK	0.50, 0.46, 0.00, 0.72
HSL	235°, 33%, 21%
HSV	235°, 50%, 28%
XYZ	2.6317, 2.3023, 6.4524
YIQ	41.8650, -12.3810, 9.6270

Conversions

Conversions Part 2

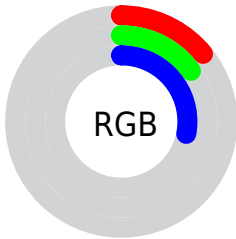
Format	Color
RYB	36, 39, 72
Decimal	2369352
CIELab	17.00, 9.02, -21.08
CIELCh	17, 22.928, 293.176
Yxy	2.3023, 0.2311, 0.2022
Android (android.graphics.Color)	4280559432 (0xFF242748)
YUV	41.8650, 14.8566, -5.1436
Hunter-Lab	15.1734, 4.4062, -14.5914




Details

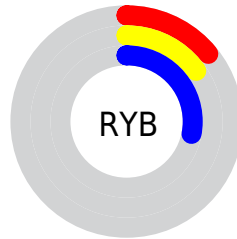
The CIELCh color **17, 22.928, 293.176** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **29, 20.764, 101.943**, and the grayscale version is **17, 0.003, 296.813**.




A 20% lighter version of the original color is **37, 22.885, 292.869**, and **1, 14.532, 288.124** is the 20% darker color. If you saturate the color by 10%, you get **14, 28.017, 295.099**, and if you desaturate by 10%, it is **20, 18.010, 291.474**.

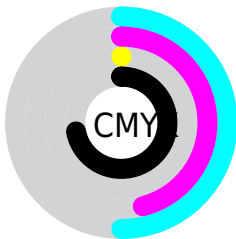
Distribution







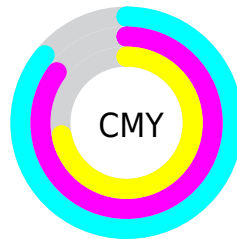
-  Red (14%)
-  Green (15%)
-  Blue (28%)






-  Red (14%)
-  Yellow (15%)
-  Blue (28%)



-  Cyan (50%)
-  Magenta (46%)
-  Yellow (0%)
-  Black (72%)



-  Cyan (86%)
-  Magenta (85%)
-  Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 22.928, 293.176 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, 22.928, 293.176 by changing the saturation by 10% instead.

■ 17, 22.928,
293.176

■ 17, 22.928,
293.176

■ 100, 22.928,
293.176

■ 7, 22.928, 293.176

■ 37, 22.928,
293.176

■ 0, 22.928, 293.176

■ 47, 22.928,
293.176


■ 57, 22.928,
293.176


■ 67, 22.928,
293.176


■ 77, 22.928,
293.176

■ 87, 22.928,

293.176


 97, 22.928,
293.176


 17, 22.928,
293.176

 17, 22.928,
293.176

 14, 28.017,
295.099

 20, 18.010,
291.474

 12, 33.247,
297.215

 22, 13.266,
289.987

 9, 38.519, 299.451

 25, 8.686, 288.697

 7, 43.507, 301.517

 28, 4.261, 287.584

 5, 47.342, 302.343

 31, 0.023, 104.498

 5, 47.365, 302.346

 33, 4.173, 105.750

■ 36, 8.198, 105.021

■ 39, 12.106,
104.380

■ 41, 15.904,
103.816

Harmonies

Complementary

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



17, 22.928, 293.176



29, 20.764, 101.943

Rectangle

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



17, 22.928, 293.176



17, 22.928, 343.176



17, 22.928, 113.176



17, 22.928, 163.176

Sweetspot

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



17, 22.928, 293.177



35, 8.112, 288.194



28, 14.000, 189.202



17, 5.590, 288.316



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



17, 22.928, 293.177



20, 35.208, 295.603



18, 25.550, 308.707



13, 2.365, 287.446



10, 62.389, 304.253



29, 118.751, 305.421

Inverse Universe

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



19, 18.299, 17.939



23, 28.081, 20.435



29, 23.617, 123.907



13, 1.809, 13.046



19, 47.749, 32.276



47, 92.308, 37.207

Previews

White Background



This preview shows how the CIE LCh color 17, 22.928, 293.176 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, 22.928, 293.176 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, 22.928, 293.176

Background



This preview shows how black text looks on a background with the CIELCh color 17, 22.928, 293.176.



This preview shows how white text looks on a background with the CIELCh color 17, 22.928, 293.176.

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, 22.928, 293.176

Protanopia

17, 23.095, 284.679

Deuteranopia

17, 20.792, 276.928



Tritanopia
17, 7.006, 215.542

Trichromacy



Original Color
17, 22.928, 293.176

Protanomaly
17, 23.019, 287.614

Deuteranomaly
17, 21.163, 282.051

Tritanomaly
17, 10.483, 268.026

Monochromacy



Original Color
17, 22.928, 293.176

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 8.362, 289.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 22.928, 293.176 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(36, 39, 72)` looks like.

```
.text, #text, p{  
    color:rgb(36, 39, 72)  
}
```

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(36, 39, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 39, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 22.928, 293.176 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(36, 39, 72) }
```

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

```
.border{ border-color:rgb(36, 39, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 39, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 39, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 39, 72);  
box-shadow:4px 4px 4px 4px rgb(36, 39, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 22.928, 293.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 39, 72) }
```

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

```
.background{ background-color: rgb(36, 39,  
72) }
```

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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