

Converting Colors

CIELCh(17, 37.979, 298.815)

Have a look what the booklet for
CIELCh(17, 37.979, 298.815)
contains.

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Color

CIELCh(17, 37.929, 298.823)

Conversions

Conversions Part 1

Format	Color
Hex	23235A
RGB	35, 35, 90
RGB Percent	14%, 14%, 35%
CMY	0.8625, 0.8626, 0.6468
CMYK	0.61, 0.61, 0.00, 0.65
HSL	240°, 44%, 25%
HSV	240°, 61%, 35%
XYZ	3.1454, 2.3023, 9.9639
YIQ	41.2700, -17.6550, 17.1050

Conversions

Conversions Part 2

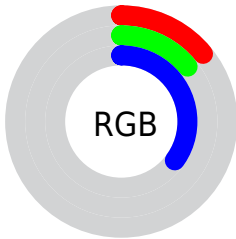
Format	Color
RYB	35, 35, 90
Decimal	2302810
CIELab	17.00, 18.29, -33.23
CIElCh	17, 37.929, 298.823
Yxy	2.3023, 0.2041, 0.1494
Android (android.graphics.Color)	4280492890 (0xFF23235A)
YUV	41.2700, 24.0239, -5.4988
Hunter-Lab	15.1734, 10.4487, -28.3124

Details

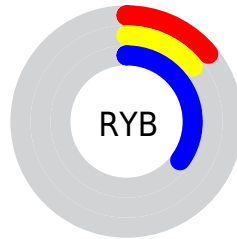
The CIELCh color **17, 37.929, 298.823** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **37, 32.190, 104.927**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 38.426, 299.268**, and **2, 28.092, 294.261** is the 20% darker color. If you saturate the color by 10%, you get **14, 44.766, 300.861**, and if you desaturate by 10%, it is **20, 31.147, 296.908**.

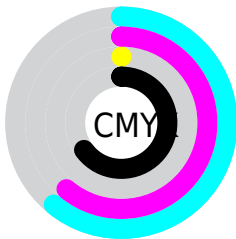
Distribution



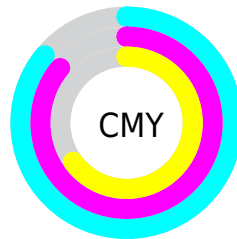
- Red (14%)
- Green (14%)
- Blue (35%)



- Red (14%)
- Yellow (14%)
- Blue (35%)



- Cyan (61%)
- Magenta (61%)
- Yellow (0%)
- Black (65%)



- Cyan (86%)
- Magenta (86%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 37.929, 298.823 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, 37.929, 298.823 by changing the saturation by 10% instead.

■ 17, 37.929,
298.823

■ 17, 37.929,
298.823

■ 100, 37.929,
298.823

■ 7, 37.929, 298.823

■ 37, 37.929,
298.823

■ 0, 37.929, 298.823

■ 47, 37.929,
298.823

■ 57, 37.929,
298.823

■ 67, 37.929,
298.823

■ 77, 37.929,
298.823

■ 87, 37.929,

298.823

97, 37.929,
298.823

17, 37.929,
298.823

17, 37.929,
298.823

14, 44.766,
300.861

20, 31.147,
296.908

11, 51.319,
302.864

24, 24.562,
295.185

9, 57.027, 304.611

27, 18.218,
293.676

7, 62.281, 306.108

31, 12.120,
292.371

34, 6.254, 291.252

■ 38, 0.605, 290.343

■ 41, 4.843, 109.449

■ 45, 10.103,
108.741

■ 48, 15.188,
108.126

Harmonies

Complementary

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



17, 37.929, 298.823



37, 32.190, 104.927

Rectangle

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



17, 37.929, 298.823



17, 37.929, 348.823



17, 37.929, 118.823



17, 37.929, 168.823

Sweetspot

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



17, 37.929, 298.824



42, 12.805, 292.075



35, 18.643, 196.981



19, 8.840, 292.303



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



17, 37.929, 298.824



18, 57.370, 301.734



20, 37.988, 311.922



17, 3.199, 291.026



10, 71.860, 306.289



30, 126.663, 306.288

Inverse Universe

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



24, 39.874, 327.312



30, 56.227, 327.766



35, 34.908, 126.535



17, 3.868, 324.871



25, 62.050, 328.242



56, 109.369, 328.243

Previews

White Background



This preview shows how the CIE LCh color 17, 37.929, 298.823 looks on a white background.

Color Contrast Check

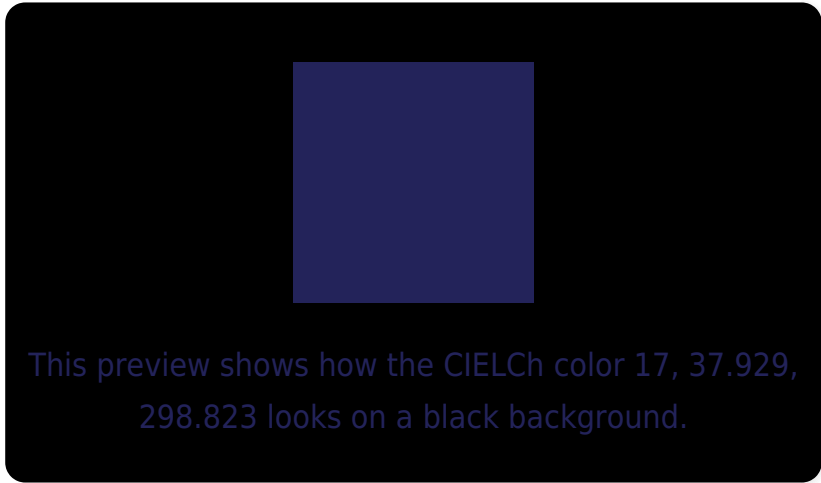
Large Text (above 18pt) WCAG AA ✓ Pass

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

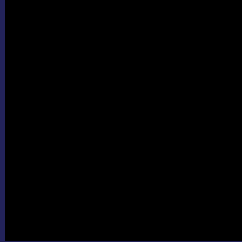
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 37.929, 298.823

Background



This preview shows how black text looks on a background with the CIELCh color 17, 37.929, 298.823.



This preview shows how white text looks on a background with the CIELCh color 17, 37.929, 298.823.

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, 37.929, 298.823

Protanopia

17, 31.692, 282.456

Deuteranopia

17, 23.111, 269.328



Tritanopia
17, 11.565, 211.327

Trichromacy



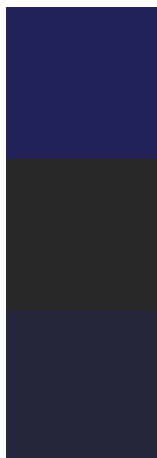
Original Color
17, 37.929, 298.823

Protanomaly
17, 33.466, 287.848

Deuteranomaly
16, 28.212, 283.121

Tritanomaly
17, 16.990, 271.064

Monochromacy



Original Color
17, 37.929, 298.823

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 13.989, 293.748

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 37.929, 298.823 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(35, 35, 90)` looks like.

```
.text, #text, p{  
    color:rgb(35, 35, 90)  
}
```

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(35, 35, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 35, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 37.929, 298.823 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(35, 35, 90) }
```

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

```
.border{ border-color:rgb(35, 35, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 35, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 35, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 35, 90);  
box-shadow:4px 4px 4px 4px rgb(35, 35, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 37.929, 298.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 35, 90) }
```

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

```
.background{ background-color: rgb(35, 35,  
90) }
```

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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