

Converting Colors

CIELCh(17, 29.845, 305.088)

Have a look what the booklet for
CIELCh(17, 29.845, 305.088)
contains.

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Color

CIELCh(17, 30.170, 305.702)

Conversions

Conversions Part 1

Format	Color
Hex	2F224D
RGB	47, 34, 77
RGB Percent	18%, 13%, 30%
CMY	0.8149, 0.8659, 0.6972
CMYK	0.39, 0.56, 0.00, 0.70
HSL	258°, 39%, 22%
HSV	258°, 56%, 30%
XYZ	3.1056, 2.3023, 7.3399
YIQ	42.7890, -6.0550, 16.1290

Conversions

Conversions Part 2

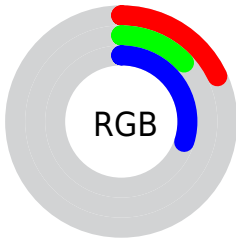
Format	Color
R_{YB}	47, 34, 77
Decimal	3088973
CIE _{Lab}	17.00, 17.61, -24.50
CIE _{LCh}	17, 30.170, 305.702
Yxy	2.3023, 0.2436, 0.1806
Android (android.graphics.Color)	4281279053 (0xFF2F224D)
YUV	42.7890, 16.8660, 3.6930
Hunter-Lab	15.1734, 9.9809, -18.0590

Details

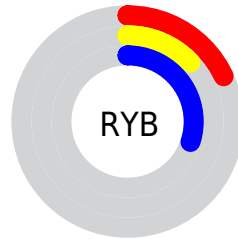
The CIELCh color **17, 30.170, 305.702** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **31, 27.002, 119.087**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 29.735, 305.639**, and **1, 18.560, 290.894** is the 20% darker color. If you saturate the color by 10%, you get **14, 35.878, 306.535**, and if you desaturate by 10%, it is **20, 24.458, 304.883**.

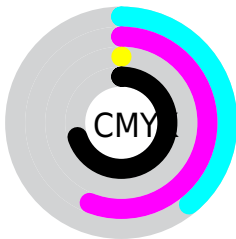
Distribution



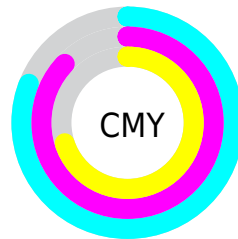
- Red (18%)
- Green (13%)
- Blue (30%)



- Red (18%)
- Yellow (13%)
- Blue (30%)



- Cyan (39%)
- Magenta (56%)
- Yellow (0%)
- Black (70%)



- Cyan (81%)
- Magenta (87%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 30.170, 305.702 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, 30.170, 305.702 by changing the saturation by 10% instead.

■ 17, 30.170,
305.702

■ 17, 30.170,
305.702

■ 100, 30.170,
305.702

■ 7, 30.170, 305.702

■ 37, 30.170,
305.702

■ 0, 30.170, 305.702

■ 47, 30.170,
305.702


■ 57, 30.170,
305.702


■ 67, 30.170,
305.702


■ 77, 30.170,
305.702


■ 87, 30.170,


305.702


 97, 30.170,
305.702


 17, 30.170,
305.702


 17, 30.170,
305.702


 14, 35.878,
306.535

 20, 24.458,
304.883

 12, 41.410,
307.323

 23, 18.839,
304.112

 10, 46.481,
307.974


 25, 13.358,
303.403

 7, 51.443, 308.705

 28, 8.038, 302.763

 7, 53.628, 309.038

 31, 2.882, 302.188

 34, 2.110, 121.704

■ 37, 6.943, 121.251

■ 40, 11.625,
120.860

■ 43, 16.163,
120.518

Harmonies

Complementary

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



17, 30.170, 305.702



31, 27.002, 119.087

Rectangle

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



17, 30.170, 305.702



17, 30.170, 355.702



17, 30.170, 125.702



17, 30.170, 175.702

Sweetspot

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



17, 30.170, 305.702



36, 10.747, 302.878



26, 13.285, 238.112



17, 7.258, 302.936



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



17, 30.170, 305.702



19, 45.172, 306.833



20, 31.507, 320.934



14, 2.800, 302.350



11, 65.788, 308.890



32, 120.058, 308.235

Inverse Universe

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



20, 26.603, 338.338



25, 38.007, 339.598



29, 30.904, 135.876



14, 2.679, 334.882



21, 47.524, 343.881



51, 84.873, 345.392

Previews

White Background



This preview shows how the CIE LCh color 17, 30.170, 305.702 looks on a white background.

Color Contrast Check

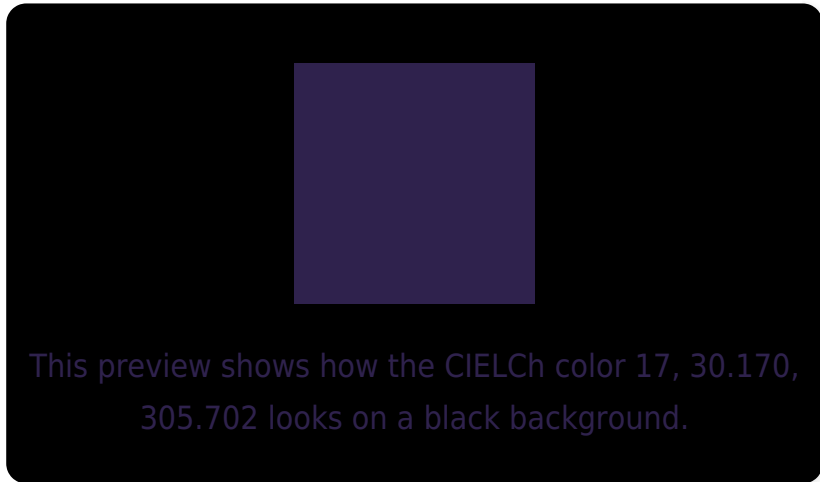
Large Text (above 18pt) WCAG AA ✓ Pass

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

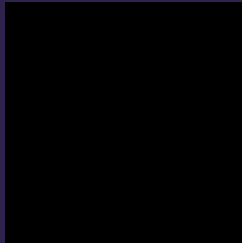
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 30.170, 305.702

Background



This preview shows how black text looks on a background with the CIELCh color 17, 30.170, 305.702.



This preview shows how white text looks on a background with the CIELCh color 17, 30.170, 305.702.

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, 30.170, 305.702

Protanopia

17, 30.098, 284.293

Deuteranopia

17, 23.180, 274.192



Tritanopia
17, 2.912, 272.558

Trichromacy



Original Color
17, 30.170, 305.702

Protanomaly
17, 29.888, 289.740

Deuteranomaly
17, 25.229, 285.370

Tritanomaly
17, 12.720, 300.948

Monochromacy



Original Color
17, 30.170, 305.702

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 10.705, 304.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 30.170, 305.702 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, 34, 77)` looks like.

```
.text, #text, p{  
    color:rgb(47, 34, 77)  
}
```

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, 34, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 34, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 30.170, 305.702 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, 34, 77) }
```

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

```
.border{ border-color:rgb(47, 34, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 34, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 34, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 34, 77);  
box-shadow:4px 4px 4px 4px rgb(47, 34, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 30.170, 305.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 34, 77) }
```

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

```
.background{ background-color: rgb(47, 34,  
77) }
```

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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