

Converting Colors

CIELCh(17, 24.830, 305.709)

Have a look what the booklet for
CIELCh(17, 24.830, 305.709)
contains.

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Color

CIELCh(17, 24.704, 305.478)

Conversions

Conversions Part 1

Format	Color
Hex	2F2447
RGB	47, 36, 71
RGB Percent	18%, 14%, 28%
CMY	0.8165, 0.8596, 0.7224
CMYK	0.34, 0.49, 0.00, 0.72
HSL	259°, 33%, 21%
HSV	259°, 49%, 28%
XYZ	2.9190, 2.3023, 6.2170
YIQ	43.2790, -4.6790, 13.2170

Conversions

Conversions Part 2

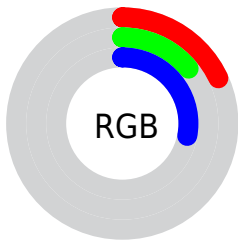
Format	Color
R_{YB}	47, 36, 71
Decimal	3089479
CIE _{Lab}	17.00, 14.34, -20.12
CIE _{LCh}	17, 24.704, 305.478
Yxy	2.3023, 0.2552, 0.2013
Android (android.graphics.Color)	4281279559 (0xFF2F2447)
YUV	43.2790, 13.6665, 3.2633
Hunter-Lab	15.1734, 7.7854, -13.6713

Details

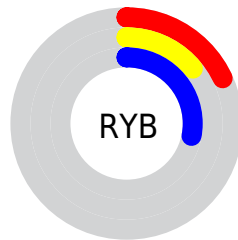
The CIELCh color **17, 24.704, 305.478** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **28, 22.521, 119.865**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 24.691, 305.040**, and **1, 14.535, 290.216** is the 20% darker color. If you saturate the color by 10%, you get **14, 30.020, 306.268**, and if you desaturate by 10%, it is **20, 19.445, 304.722**.

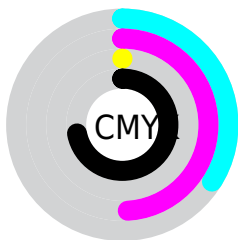
Distribution



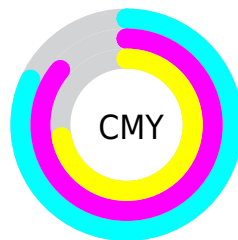
- Red (18%)
- Green (14%)
- Blue (28%)



- Red (18%)
- Yellow (14%)
- Blue (28%)



- Cyan (34%)
- Magenta (49%)
- Yellow (0%)
- Black (72%)



- Cyan (82%)
- Magenta (86%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 24.704, 305.478 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, 24.704, 305.478 by changing the saturation by 10% instead.

■ 17, 24.704,
305.478

■ 17, 24.704,
305.478

■ 100, 24.704,
305.478

■ 7, 24.704, 305.478

■ 37, 24.704,
305.478

■ 0, 24.704, 305.478

■ 47, 24.704,
305.478

■ 57, 24.704,
305.478

■ 67, 24.704,
305.478

■ 77, 24.704,
305.478

■ 87, 24.704,


305.478


 97, 24.704,
305.478


 17, 24.704,
305.478


 17, 24.704,
305.478

 14, 30.020,
306.268

 20, 19.445,
304.722

 12, 35.291,
307.054

 22, 14.300,
304.021

 10, 40.333,
307.771

 25, 9.294, 303.382

 8, 44.956, 308.372

 28, 4.438, 302.806

 6, 49.397, 308.856

 30, 0.269, 122.396

 6, 49.649, 308.877

 33, 4.829, 121.855

■ 35, 9.248, 121.455

■ 38, 13.533,
121.105

■ 41, 17.690,
120.799

Harmonies

Complementary

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



17, 24.704, 305.478



28, 22.521, 119.865

Rectangle

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



17, 24.704, 305.478



17, 24.704, 355.478



17, 24.704, 125.478



17, 24.704, 175.478

Sweetspot

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



17, 24.703, 305.478



34, 8.858, 303.155



24, 11.232, 236.811



16, 5.964, 303.209



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



17, 24.703, 305.478



20, 37.045, 306.420



19, 26.159, 320.711



13, 2.643, 302.762



11, 64.473, 309.085



32, 118.806, 308.391

Inverse Universe

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



20, 22.028, 338.281



24, 31.940, 339.313



27, 25.688, 136.307



13, 2.504, 335.345



20, 46.387, 344.602



50, 83.571, 346.253

Previews

White Background



This preview shows how the CIELCh color 17, 24.704, 305.478 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, 24.704, 305.478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

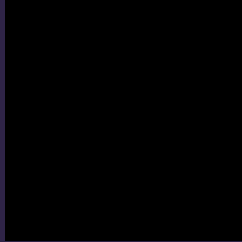
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 24.704, 305.478

Background



This preview shows how black text looks on a background with the CIELCh color 17, 24.704, 305.478.



This preview shows how white text looks on a background with the CIELCh color 17, 24.704, 305.478.

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, 24.704, 305.478

Protanopia

17, 24.494, 284.605

Deuteranopia

17, 19.271, 277.908



Tritanopia
17, 2.087, 290.728

Trichromacy



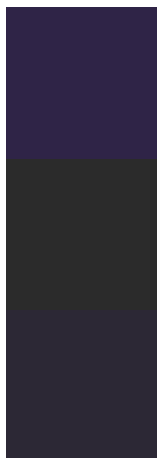
Original Color
17, 24.704, 305.478

Protanomaly
17, 24.335, 291.426

Deuteranomaly
17, 20.903, 288.648

Tritanomaly
17, 9.945, 302.718

Monochromacy



Original Color
17, 24.704, 305.478

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 9.265, 303.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 24.704, 305.478 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, 36, 71)` looks like.

```
.text, #text, p{  
    color:rgb(47, 36, 71)  
}
```

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, 36, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 36, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 24.704, 305.478 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, 36, 71) }
```

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

```
.border{ border-color:rgb(47, 36, 71) }
```

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

Here you see how a box with a 4 pixel rgb(47, 36, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 36, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 36, 71);  
box-shadow:4px 4px 4px 4px rgb(47, 36, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 24.704, 305.478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 36, 71) }
```

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

```
.background{ background-color: rgb(47, 36,  
71) }
```

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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