

Converting Colors

CIELCh(17, 23.666, 297.618)

Have a look what the booklet for
CIELCh(17, 23.666, 297.618)
contains.

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Color

CIELCh(17, 23.666, 297.618)

Conversions

Conversions Part 1

Format	Color
Hex	282648
RGB	40, 38, 72
RGB Percent	16%, 15%, 28%
CMY	0.8433, 0.8511, 0.7178
CMYK	0.44, 0.47, 0.00, 0.72
HSL	244°, 31%, 22%
HSV	244°, 47%, 28%
XYZ	2.7347, 2.3023, 6.4256
YIQ	42.4740, -9.7220, 10.9980

Conversions

Conversions Part 2

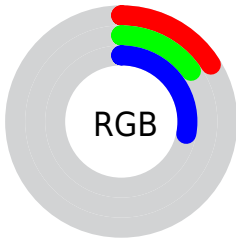
Format	Color
R_{YB}	40, 38, 72
Decimal	2631240
CIE _{Lab}	17.00, 10.97, -20.97
CIE _{LCh}	17, 23.666, 297.618
Yxy	2.3023, 0.2386, 0.2009
Android (android.graphics.Color)	4280821320 (0xFF282648)
YUV	42.4740, 14.5563, -2.1697
Hunter-Lab	15.1734, 5.6174, -14.4865

Details

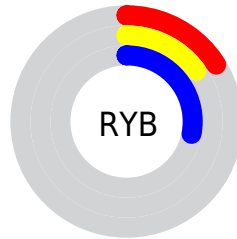
The CIELCh color **17, 23.666, 297.618** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **30, 21.206, 108.834**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 23.597, 297.327**, and **1, 14.532, 288.124** is the 20% darker color. If you saturate the color by 10%, you get **14, 29.189, 299.149**, and if you desaturate by 10%, it is **20, 18.311, 296.247**.

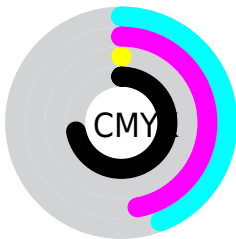
Distribution



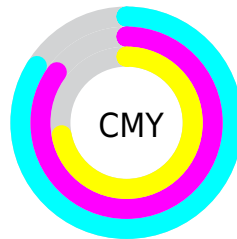
- Red (16%)
- Green (15%)
- Blue (28%)



- Red (16%)
- Yellow (15%)
- Blue (28%)



- Cyan (44%)
- Magenta (47%)
- Yellow (0%)
- Black (72%)



- Cyan (84%)
- Magenta (85%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 23.666, 297.618 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, 23.666, 297.618 by changing the saturation by 10% instead.

■ 17, 23.666,
297.618

■ 17, 23.666,
297.618

■ 100, 23.666,
297.618

■ 7, 23.666, 297.618

■ 37, 23.666,
297.618

■ 0, 23.666, 297.618

■ 47, 23.666,
297.618


■ 57, 23.666,
297.618

■ 67, 23.666,
297.618

■ 77, 23.666,
297.618


■ 87, 23.666,


297.618


 97, 23.666,
297.618


 17, 23.666,
297.618

 17, 23.666,
297.618

 14, 29.189,
299.149

 20, 18.311,
296.247

 11, 34.818,
300.806

 23, 13.146,
295.041

 9, 40.390, 302.508

 26, 8.169, 293.990

 7, 45.337, 303.893

 29, 3.371, 293.081

 5, 49.449, 304.717

 31, 1.258, 112.268

 4, 50.544, 304.863

 34, 5.729, 111.595

■ 37, 10.054,
111.000

■ 40, 14.240,
110.483

■ 43, 18.297,
110.030

Harmonies

Complementary

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



17, 23.666, 297.618



30, 21.206, 108.834

Rectangle

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



17, 23.666, 297.618



17, 23.666, 347.618



17, 23.666, 117.618



17, 23.666, 167.618

Sweetspot

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



17, 23.666, 297.618



35, 8.265, 293.734



28, 12.283, 202.743



17, 5.766, 293.847



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, 23.666, 297.618



20, 36.510, 299.481



19, 24.424, 312.779



12, 2.584, 293.195



9, 66.692, 306.645



28, 122.257, 306.424

Inverse Universe

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



21, 25.417, 328.411



26, 37.562, 328.965



28, 23.152, 128.842



13, 3.000, 326.460



22, 55.468, 330.567



53, 100.992, 330.753

Previews

White Background



This preview shows how the CIE LCh color 17, 23.666, 297.618 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 CIE LCh color 17, 23.666, 297.618 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, 23.666, 297.618

Background



This preview shows how black text looks on a background with the CIELCh color 17, 23.666, 297.618.



This preview shows how white text looks on a background with the CIELCh color 17, 23.666, 297.618.

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, 23.666, 297.618

Protanopia

17, 23.796, 284.622

Deuteranopia

17, 20.733, 277.571



Tritanopia
17, 5.186, 222.353

Trichromacy



Original Color
17, 23.666, 297.618

Protanomaly
17, 23.658, 288.775

Deuteranomaly
17, 21.021, 284.328

Tritanomaly
17, 9.957, 278.332

Monochromacy



Original Color
17, 23.666, 297.618

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 8.359, 292.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 23.666, 297.618 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(40, 38, 72)` looks like.

```
.text, #text, p{  
    color:rgb(40, 38, 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(40, 38, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 38, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 23.666, 297.618 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(40, 38, 72) }
```

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

```
.border{ border-color:rgb(40, 38, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 38, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 38, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 38, 72);  
box-shadow:4px 4px 4px 4px rgb(40, 38, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 23.666, 297.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 38, 72) }
```

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

```
.background{ background-color: rgb(40, 38,  
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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