

Converting Colors

CIELCh(17, 48.845, 300.864)

Have a look what the booklet for
CIELCh(17, 48.845, 300.864)
contains.

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Color

CIELCh(17, 48.450, 300.659)

Conversions

Conversions Part 1

Format	Color
Hex	202067
RGB	32, 32, 103
RGB Percent	13%, 13%, 40%
CMY	0.8755, 0.8752, 0.5969
CMYK	0.69, 0.69, 0.00, 0.60
HSL	240°, 53%, 26%
HSV	240°, 69%, 40%
XYZ	3.5381, 2.3023, 13.0364
YIQ	40.0940, -22.7910, 22.0810

Conversions

Conversions Part 2

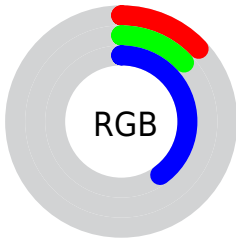
Format	Color
R _Y B	32, 32, 103
Decimal	2105447
CIE Lab	17.00, 24.71, -41.68
CIE LCh	17, 48.450, 300.659
Yxy	2.3023, 0.1874, 0.1220
Android (android.graphics.Color)	4280295527 (0xFF202067)
YUV	40.0940, 31.0127, -7.0984
Hunter-Lab	15.1734, 15.0683, -40.3182

Details

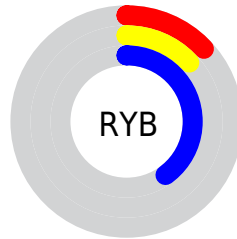
The CIELCh color **17, 48.450, 300.659** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **42, 39.662, 104.225**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 48.783, 300.711**, and **2, 36.912, 298.316** is the 20% darker color. If you saturate the color by 10%, you get **14, 55.799, 302.712**, and if you desaturate by 10%, it is **21, 40.825, 298.591**.

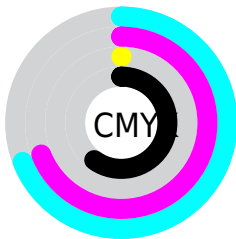
Distribution



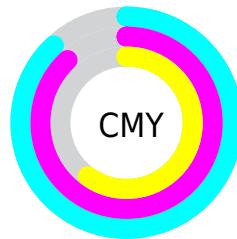
- Red (13%)
- Green (13%)
- Blue (40%)



- Red (13%)
- Yellow (13%)
- Blue (40%)



- Cyan (69%)
- Magenta (69%)
- Yellow (0%)
- Black (60%)



- Cyan (88%)
- Magenta (88%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 48.450, 300.659 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, 48.450, 300.659 by changing the saturation by 10% instead.

■ 17, 48.450,
300.659

■ 17, 48.450,
300.659

■ 100, 48.450,
300.659

■ 7, 48.450, 300.659

■ 37, 48.450,
300.659

■ 0, 48.450, 300.659

■ 47, 48.450,
300.659

■ 57, 48.450,
300.659

■ 67, 48.450,
300.659

■ 77, 48.450,
300.659


■ 87, 48.450,


300.659

 97, 48.450,
300.659


 17, 48.450,
300.659

 17, 48.450,
300.659


 14, 55.799,
302.712

 21, 40.825,
298.591


 11, 62.174,
304.498


 24, 33.286,
296.658

 9, 68.006, 306.102

 28, 25.981,
294.930

 9, 68.598, 306.263

 32, 18.952,
293.424

 36, 12.199,
292.127

■ 40, 5.706, 291.018

■ 44, 0.545, 109.986

■ 48, 6.570, 109.237

■ 52, 12.387,
108.538

Harmonies

Complementary

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



17, 48.450, 300.659



42, 39.662, 104.225

Rectangle

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



17, 48.450, 300.659



17, 48.450, 350.659



17, 48.450, 120.659



17, 48.450, 170.659

Sweetspot

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



17, 48.450, 300.660



45, 16.608, 292.430



39, 22.447, 194.872



21, 11.191, 292.666



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



17, 48.450, 300.660



18, 71.870, 303.869



21, 47.706, 311.809



19, 3.495, 290.999



11, 74.166, 306.266



30, 128.677, 306.279

Inverse Universe

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



24, 36.331, 28.800



28, 54.350, 33.917



40, 43.030, 125.749



19, 2.443, 19.764



22, 55.870, 37.312



51, 100.550, 39.970

Previews

White Background



This preview shows how the CIELCh color 17, 48.450, 300.659 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, 48.450, 300.659 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, 48.450, 300.659

Background



This preview shows how black text looks on a background with the CIELCh color 17, 48.450, 300.659.



This preview shows how white text looks on a background with the CIELCh color 17, 48.450, 300.659.

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, 48.450, 300.659

Protanopia

17, 31.692, 282.456

Tritanopia

17, 14.863, 204.757

Trichromacy



Original Color
17, 48.450, 300.659

Protanomaly
17, 37.466, 290.472

Tritanomaly
16, 20.689, 271.828

Monochromacy



Original Color
17, 48.450, 300.659

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 18.257, 294.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 48.450, 300.659 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(32, 32, 103)` looks like.

```
.text, #text, p{  
    color:rgb(32, 32, 103)  
}
```

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(32, 32, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 32, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 48.450, 300.659 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(32, 32, 103) }
```

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

```
.border{ border-color:rgb(32, 32, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 32, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 32, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 32, 103);  
box-shadow:4px 4px 4px 4px rgb(32, 32,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 48.450, 300.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 32, 103) }
```

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

```
.background{ background-color: rgb(32, 32,  
103) }
```

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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