

Converting Colors

CIELCh(16, 17.819, 303.647)

Have a look what the booklet for
CIELCh(16, 17.819, 303.647)
contains.

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Color

CIELCh(16, 17.821, 303.651)

Conversions

Conversions Part 1

Format	Color
Hex	2B243D
RGB	43, 36, 61
RGB Percent	17%, 14%, 24%
CMY	0.8319, 0.8594, 0.7614
CMYK	0.30, 0.41, 0.00, 0.76
HSL	257°, 26%, 19%
HSV	257°, 41%, 24%
XYZ	2.4553, 2.0993, 4.6698
YIQ	40.9430, -3.8530, 9.2590

Conversions

Conversions Part 2

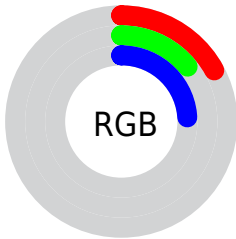
Format	Color
R_{YB}	43, 36, 61
Decimal	2827325
CIE Lab	16.00, 9.88, -14.83
CIE LCh	16, 17.821, 303.651
Yxy	2.0993, 0.2662, 0.2276
Android (android.graphics.Color)	4281017405 (0xFF2B243D)
YUV	40.9430, 9.8881, 1.8040
Hunter-Lab	14.4890, 4.8930, -8.9668




Details

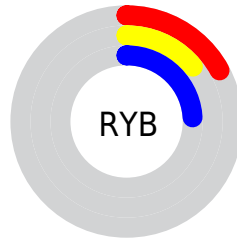
The CIELCh color **16, 17.821, 303.651** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **24, 16.529, 118.915**, and the grayscale version is **16, 0.003, 296.813**.




A 20% lighter version of the original color is **36, 17.740, 302.898**, and **1, 7.635, 288.097** is the 20% darker color. If you saturate the color by 10%, you get **14, 22.466, 304.455**, and if you desaturate by 10%, it is **18, 13.281, 302.908**.

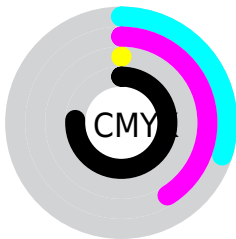
Distribution







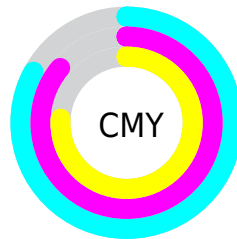
-  Red (17%)
-  Green (14%)
-  Blue (24%)






-  Red (17%)
-  Yellow (14%)
-  Blue (24%)



-  Cyan (30%)
-  Magenta (41%)
-  Yellow (0%)
-  Black (76%)



-  Cyan (83%)
-  Magenta (86%)
-  Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 17.821, 303.651 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 16, 17.821, 303.651 by changing the saturation by 10% instead.

■ 16, 17.821,
303.651

■ 16, 17.821,
303.651

■ 100, 17.821,
303.651

■ 6, 17.821, 303.651

■ 36, 17.821,
303.651

■ 0, 17.821, 303.651

■ 46, 17.821,
303.651


■ 56, 17.821,
303.651


■ 66, 17.821,
303.651


■ 76, 17.821,
303.651


■ 86, 17.821,


303.651


 96, 17.821,
303.651

 16, 17.821,
303.651

 16, 17.821,
303.651

 14, 22.466,
304.455

 18, 13.281,
302.908

 11, 27.173,
305.304

 21, 8.868, 302.235

 9, 31.859, 306.160

 23, 4.587, 301.629

 7, 36.261, 306.859

 25, 0.438, 301.055

 6, 39.691, 306.845

 28, 3.583, 120.625

 4, 42.510, 306.673

 30, 7.480, 120.203

■ 32, 11.259,
119.833

■ 35, 14.928,
119.509

■ 37, 18.492,
119.225

Harmonies

Complementary

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



16, 17.821, 303.651



24, 16.529, 118.915

Rectangle

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



16, 17.821, 303.651



16, 17.821, 353.651



16, 17.821, 123.651



16, 17.821, 173.651

Sweetspot

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



16, 17.820, 303.651



30, 6.201, 301.714



21, 8.452, 230.627



14, 4.153, 301.731



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



16, 17.820, 303.651



19, 26.817, 304.467



17, 19.095, 319.345



10, 2.303, 301.481



9, 62.464, 308.672



30, 117.446, 307.972

Inverse Universe

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



18, 16.647, 336.041



22, 24.477, 336.769



23, 18.733, 135.941



10, 2.247, 333.929



19, 45.735, 342.185



50, 84.002, 343.663

Previews

White Background



This preview shows how the CIE LCh color 16, 17.821, 303.651 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 16, 17.821, 303.651 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 16, 17.821, 303.651

Background



This preview shows how black text looks on a background with the CIELCh color 16, 17.821, 303.651.



This preview shows how white text looks on a background with the CIELCh color 16, 17.821, 303.651.

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

16, 17.821, 303.651

Protanopia

16, 17.618, 285.202

Deuteranopia

16, 14.257, 279.954



Tritanopia
16, 2.146, 278.174

Trichromacy



Original Color
16, 17.821, 303.651

Protanomaly
16, 17.525, 290.979

Deuteranomaly
16, 15.454, 289.872

Tritanomaly
16, 7.810, 298.763

Monochromacy



Original Color
16, 17.821, 303.651

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 6.477, 303.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 17.821, 303.651 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(43, 36, 61)` looks like.

```
.text, #text, p{  
    color:rgb(43, 36, 61)  
}
```

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(43, 36, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 36, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 17.821, 303.651 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(43, 36, 61) }
```

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

```
.border{ border-color:rgb(43, 36, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 36, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 36, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 36, 61);  
box-shadow:4px 4px 4px 4px rgb(43, 36, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 17.821, 303.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 36, 61) }
```

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

```
.background{ background-color: rgb(43, 36,  
61) }
```

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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