

Converting Colors

CIELCh(16, 23.644, 304.165)

Have a look what the booklet for
CIELCh(16, 23.644, 304.165)
contains.

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Color

CIELCh(16, 24.118, 303.990)

Conversions

Conversions Part 1

Format	Color
Hex	2B2244
RGB	43, 34, 68
RGB Percent	17%, 13%, 27%
CMY	0.8303, 0.8657, 0.7322
CMYK	0.37, 0.50, 0.00, 0.73
HSL	256°, 33%, 20%
HSV	256°, 50%, 27%
XYZ	2.6395, 2.0993, 5.7809
YIQ	40.5670, -5.5500, 12.4820

Conversions

Conversions Part 2

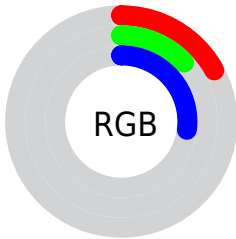
Format	Color
RYB	43, 34, 68
Decimal	2826820
CIELab	16.00, 13.48, -20.00
CIELCh	16, 24.118, 303.990
Yxy	2.0993, 0.2509, 0.1996
Android (android.graphics.Color)	4281016900 (0xFF2B2244)
YUV	40.5670, 13.5245, 2.1337
Hunter-Lab	14.4890, 7.1626, -13.5136

Details

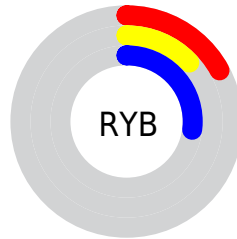
The CIELCh color **16, 24.118, 303.990** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **27, 21.842, 117.819**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 24.167, 304.464**, and **1, 12.512, 288.908** is the 20% darker color. If you saturate the color by 10%, you get **13, 29.311, 304.892**, and if you desaturate by 10%, it is **19, 19.002, 303.140**.

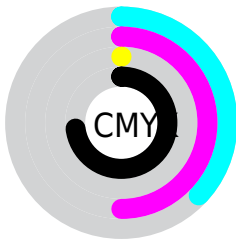
Distribution



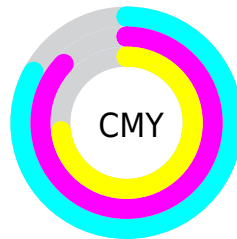
- Red (17%)
- Green (13%)
- Blue (27%)



- Red (17%)
- Yellow (13%)
- Blue (27%)



- Cyan (37%)
- Magenta (50%)
- Yellow (0%)
- Black (73%)



- Cyan (83%)
- Magenta (87%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 24.118, 303.990 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, 24.118, 303.990 by changing the saturation by 10% instead.

■ 16, 24.118,
303.990

■ 16, 24.118,
303.990

■ 100, 24.118,
303.990

■ 6, 24.118, 303.990

■ 36, 24.118,
303.990

■ 0, 24.118, 303.990

■ 46, 24.118,
303.990


■ 56, 24.118,
303.990


■ 66, 24.118,
303.990


■ 76, 24.118,
303.990


■ 86, 24.118,


303.990


 96, 24.118,
303.990


 16, 24.118,
303.990

 16, 24.118,
303.990

 13, 29.311,
304.892

 19, 19.002,
303.140

 11, 34.487,
305.809


 21, 14.012,
302.360

 9, 39.472, 306.674

 24, 9.167, 301.656

 7, 43.914, 307.292

 26, 4.473, 301.027

 5, 47.916, 307.612

 29, 0.071, 120.710

 5, 47.981, 307.616

 32, 4.470, 119.989

■ 34, 8.731, 119.557

■ 37, 12.861,
119.180

■ 39, 16.867,
118.850

Harmonies

Complementary

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



16, 24.118, 303.990



27, 21.842, 117.819

Rectangle

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



16, 24.118, 303.990



16, 24.118, 353.990



16, 24.118, 123.990



16, 24.118, 173.990

Sweetspot

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



16, 24.118, 303.990



33, 8.602, 301.383



24, 10.929, 229.454



16, 5.928, 301.446



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



16, 24.118, 303.990



19, 36.809, 305.138



18, 25.385, 319.163



11, 2.464, 300.947



10, 63.820, 308.449



30, 118.744, 307.798

Inverse Universe

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



19, 22.265, 336.102



23, 32.688, 337.068



26, 24.757, 134.946



12, 2.434, 333.364



20, 47.014, 341.303



50, 85.568, 342.622

Previews

White Background



This preview shows how the CIE LCh color 16, 24.118, 303.990 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

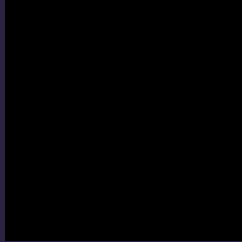
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 24.118, 303.990

Background



This preview shows how black text looks on a background with the CIELCh color 16, 24.118, 303.990.



This preview shows how white text looks on a background with the CIELCh color 16, 24.118, 303.990.

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, 24.118, 303.990

Protanopia

16, 23.982, 284.426

Deuteranopia

16, 19.441, 277.574



Tritanopia
16, 2.283, 266.709

Trichromacy



Original Color
16, 24.118, 303.990

Protanomaly
16, 23.844, 290.638

Deuteranomaly
16, 20.397, 287.570

Tritanomaly
16, 9.900, 297.769

Monochromacy



Original Color
16, 24.118, 303.990

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 8.535, 301.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 24.118, 303.990 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, 34, 68)` looks like.

```
.text, #text, p{  
    color:rgb(43, 34, 68)  
}
```

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, 34, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 34, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 24.118, 303.990 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, 34, 68) }
```

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

```
.border{ border-color:rgb(43, 34, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 34, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 34, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 34, 68);  
box-shadow:4px 4px 4px 4px rgb(43, 34, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 24.118, 303.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 34, 68) }
```

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

```
.background{ background-color: rgb(43, 34,  
68) }
```

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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