

Converting Colors

CIELCh(16, 31.174, 302.284)

Have a look what the booklet for
CIELCh(16, 31.174, 302.284)
contains.

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Color

CIELCh(16, 31.508, 302.411)

Conversions

Conversions Part 1

Format	Color
Hex	29214E
RGB	41, 33, 78
RGB Percent	16%, 13%, 31%
CMY	0.8397, 0.8710, 0.6946
CMYK	0.48, 0.58, 0.00, 0.69
HSL	251°, 41%, 22%
HSV	251°, 58%, 31%
XYZ	2.8216, 2.0993, 7.4420
YIQ	40.5220, -9.6770, 15.6910

Conversions

Conversions Part 2

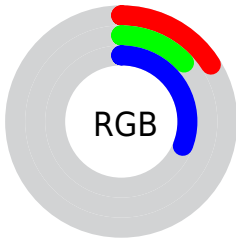
Format	Color
RYB	41, 33, 78
Decimal	2695502
CIELab	16.00, 16.89, -26.60
CIELCh	16, 31.508, 302.411
Yxy	2.0993, 0.2282, 0.1698
Android (android.graphics.Color)	4280885582 (0xFF29214E)
YUV	40.5220, 18.4767, 0.4192
Hunter-Lab	14.4890, 9.4060, -20.3108

Details

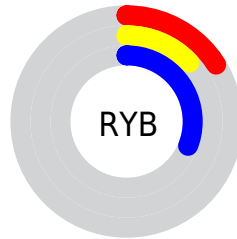
The CIELCh color **16, 31.508, 302.411** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **31, 27.533, 113.540**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 32.053, 302.480**, and **1, 18.521, 289.455** is the 20% darker color. If you saturate the color by 10%, you get **13, 37.398, 303.633**, and if you desaturate by 10%, it is **19, 25.660, 301.249**.

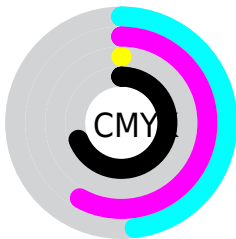
Distribution



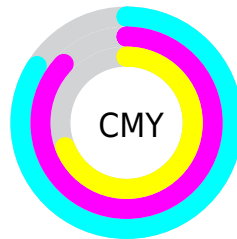
- Red (16%)
- Green (13%)
- Blue (31%)



- Red (16%)
- Yellow (13%)
- Blue (31%)



- Cyan (48%)
- Magenta (58%)
- Yellow (0%)
- Black (69%)



- Cyan (84%)
- Magenta (87%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 31.508, 302.411 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, 31.508, 302.411 by changing the saturation by 10% instead.

■ 16, 31.508,
302.411

■ 16, 31.508,
302.411

■ 100, 31.508,
302.411

■ 6, 31.508, 302.411

■ 36, 31.508,
302.411

■ 0, 31.508, 302.411

■ 46, 31.508,
302.411


■ 56, 31.508,
302.411


■ 66, 31.508,
302.411


■ 76, 31.508,
302.411


■ 86, 31.508,


302.411


 96, 31.508,
302.411


 16, 31.508,
302.411

 16, 31.508,
302.411


 13, 37.398,
303.633

 19, 25.660,
301.249

 11, 43.139,
304.839

 22, 19.948,
300.183

 8, 48.387, 305.904

 25, 14.411,
299.227

 6, 53.385, 306.930

 28, 9.059, 298.381

 6, 54.464, 307.135

 31, 3.892, 297.638

 34, 1.097, 116.990

■ 37, 5.919, 116.423

■ 40, 10.583,
115.930

■ 43, 15.097,
115.500

Harmonies

Complementary

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



16, 31.508, 302.411



31, 27.533, 113.540

Rectangle

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



16, 31.508, 302.411



16, 31.508, 352.411



16, 31.508, 122.411



16, 31.508, 172.411

Sweetspot

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



16, 31.508, 302.412



37, 10.837, 298.371



28, 13.885, 218.274



17, 7.168, 298.441



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



16, 31.508, 302.412



18, 47.745, 304.102



19, 32.300, 316.851



14, 2.761, 297.699



10, 67.063, 307.455



30, 122.189, 306.996

Inverse Universe

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



21, 30.040, 333.132



25, 42.999, 334.010



30, 30.921, 132.107



14, 2.929, 330.197



22, 51.731, 336.267



52, 92.760, 336.965

Previews

White Background



This preview shows how the CIE LCh color 16, 31.508, 302.411 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, 31.508, 302.411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

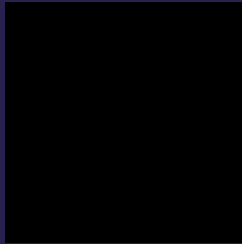
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 31.508, 302.411

Background



This preview shows how black text looks on a background with the CIELCh color 16, 31.508, 302.411.



This preview shows how white text looks on a background with the CIELCh color 16, 31.508, 302.411.

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

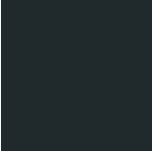
16, 31.508, 302.411

Protanopia

16, 30.535, 282.222

Deuteranopia

16, 23.090, 270.614



Tritanopia
16, 4.835, 224.444

Trichromacy



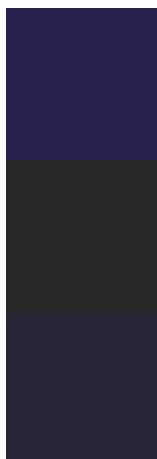
Original Color
16, 31.508, 302.411

Protanomaly
16, 30.945, 287.663

Deuteranomaly
15, 25.636, 282.537

Tritanomaly
16, 12.670, 286.201

Monochromacy



Original Color
16, 31.508, 302.411

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 12.070, 299.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 31.508, 302.411 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(41, 33, 78)` looks like.

```
.text, #text, p{  
    color:rgb(41, 33, 78)  
}
```

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(41, 33, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 33, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 31.508, 302.411 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(41, 33, 78) }
```

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

```
.border{ border-color:rgb(41, 33, 78) }
```

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

Here you see how a box with a 4 pixel rgb(41, 33, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 33, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 33, 78);  
box-shadow:4px 4px 4px 4px rgb(41, 33, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 31.508, 302.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 33, 78) }
```

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

```
.background{ background-color: rgb(41, 33,  
78) }
```

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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