

Converting Colors

CIELCh(16, 29.165, 292.790)

Have a look what the booklet for
CIELCh(16, 29.165, 292.790)
contains.

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Color

CIELCh(16, 29.342, 293.279)

Conversions

Conversions Part 1

Format	Color
Hex	1D244E
RGB	29, 36, 78
RGB Percent	11%, 14%, 31%
CMY	0.8850, 0.8577, 0.6929
CMYK	0.63, 0.54, 0.00, 0.69
HSL	231°, 45%, 21%
HSV	231°, 63%, 31%
XYZ	2.5421, 2.0993, 7.5389
YIQ	38.6950, -17.6540, 11.5780

Conversions

Conversions Part 2

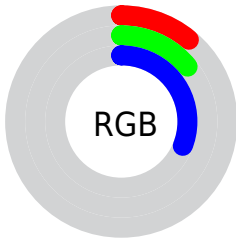
Format	Color
RYB	29, 35, 78
Decimal	1909838
CIELab	16.00, 11.60, -26.95
CIELCh	16, 29.342, 293.279
Yxy	2.0993, 0.2087, 0.1724
Android (android.graphics.Color)	4280099918 (0xFF1D244E)
YUV	38.6950, 19.3774, -8.5025
Hunter-Lab	14.4890, 5.9620, -20.7074

Details

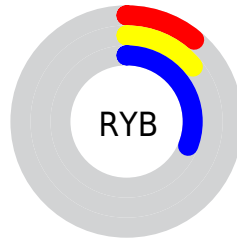
The CIELCh color **16, 29.342, 293.279** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **30, 26.092, 97.359**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 29.217, 293.477**, and **1, 18.521, 289.455** is the 20% darker color. If you saturate the color by 10%, you get **13, 34.599, 295.609**, and if you desaturate by 10%, it is **19, 24.232, 291.167**.

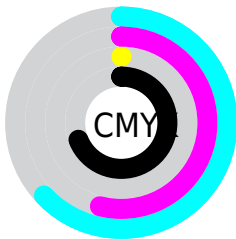
Distribution



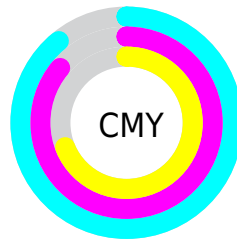
- Red (11%)
- Green (14%)
- Blue (31%)



- Red (11%)
- Yellow (14%)
- Blue (31%)



- Cyan (63%)
- Magenta (54%)
- Yellow (0%)
- Black (69%)



- Cyan (89%)
- Magenta (86%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 29.342, 293.279 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, 29.342, 293.279 by changing the saturation by 10% instead.

■ 16, 29.342,
293.279

■ 16, 29.342,
293.279

■ 100, 29.342,
293.279

■ 6, 29.342, 293.279

■ 36, 29.342,
293.279

■ 0, 29.342, 293.279

■ 46, 29.342,
293.279

■ 56, 29.342,
293.279

■ 66, 29.342,
293.279

■ 76, 29.342,
293.279

■ 86, 29.342,

293.279

■ 96, 29.342,
293.279

■ 16, 29.342,
293.279

■ 16, 29.342,
293.279

■ 13, 34.599,
295.609

■ 19, 24.232,
291.167

■ 11, 39.922,
298.078

■ 21, 19.291,
289.296

■ 9, 45.132, 300.466

■ 24, 14.517,
287.662

■ 7, 48.721, 301.776

■ 27, 9.900, 286.245

■ 30, 5.426, 285.020

■ 33, 1.087, 284.000

■ 35, 3.127, 102.992

■ 38, 7.224, 102.194

■ 41, 11.210,
101.486

Harmonies

Complementary

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



16, 29.342, 293.279



30, 26.092, 97.359

Rectangle

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



16, 29.342, 293.279



16, 29.342, 343.279



16, 29.342, 113.279



16, 29.342, 163.279

Sweetspot

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



16, 29.342, 293.280



37, 10.338, 285.877



30, 18.534, 181.882



17, 7.042, 286.079



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, 29.342, 293.280



18, 44.855, 296.883



16, 34.498, 307.593



14, 2.355, 284.590



11, 60.474, 302.816



31, 115.360, 304.361

Inverse Universe

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



19, 24.801, 16.258



23, 37.039, 20.556



31, 30.631, 120.802



14, 1.943, 8.395



19, 47.569, 29.867



48, 89.893, 34.202

Previews

White Background



This preview shows how the CIELCh color 16, 29.342, 293.279 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, 29.342, 293.279 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, 29.342, 293.279

Background



This preview shows how black text looks on a background with the CIELCh color 16, 29.342, 293.279.



This preview shows how white text looks on a background with the CIELCh color 16, 29.342, 293.279.

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, 29.342, 293.279

Protanopia

16, 29.658, 283.838

Deuteranopia

16, 22.510, 269.434



Tritanopia
16, 11.497, 211.475

Trichromacy



Original Color
16, 29.342, 293.279

Protanomaly
16, 29.538, 286.423

Deuteranomaly
16, 25.098, 279.626

Tritanomaly
16, 14.314, 261.556

Monochromacy



Original Color
16, 29.342, 293.279

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 10.601, 286.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 29.342, 293.279 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(29, 36, 78)` looks like.

```
.text, #text, p{  
    color:rgb(29, 36, 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(29, 36, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 36, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 29.342, 293.279 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(29, 36, 78) }
```

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

```
.border{ border-color:rgb(29, 36, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 36, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 36, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 36, 78);  
box-shadow:4px 4px 4px 4px rgb(29, 36, 78)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 29.342, 293.279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 36, 78) }
```

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

```
.background{ background-color: rgb(29, 36,  
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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