

Converting Colors

CIELCh(16, 42.798, 316.923)

Have a look what the booklet for
CIELCh(16, 42.798, 316.923)
contains.

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Color

CIELCh(16, 42.937, 317.071)

Conversions

Conversions Part 1

Format	Color
Hex	3D1452
RGB	61, 20, 82
RGB Percent	24%, 8%, 32%
CMY	0.7609, 0.9217, 0.6785
CMYK	0.26, 0.76, 0.00, 0.68
HSL	280°, 61%, 20%
HSV	280°, 76%, 32%
XYZ	3.6943, 2.0993, 8.1875
YIQ	39.3270, 4.5340, 27.9740

Conversions

Conversions Part 2

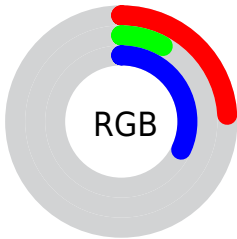
Format	Color
RYB	61, 20, 82
Decimal	4002898
CIELab	16.00, 31.44, -29.24
CIElCh	16, 42.937, 317.071
Yxy	2.0993, 0.2642, 0.1502
Android (android.graphics.Color)	4282192978 (0xFF3D1452)
YUV	39.3270, 21.0378, 19.0072
Hunter-Lab	14.4890, 20.1571, -23.3616




Details

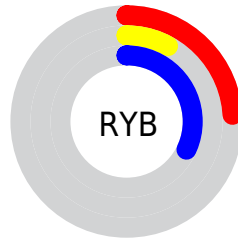
The CIELCh color **16, 42.937, 317.071** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **31, 40.663, 131.346**, and the grayscale version is **16, 0.003, 296.813**.




A 20% lighter version of the original color is **36, 42.710, 317.004**, and **2, 22.774, 298.400** is the 20% darker color. If you saturate the color by 10%, you get **14, 47.141, 317.064**, and if you desaturate by 10%, it is **18, 37.961, 316.909**.

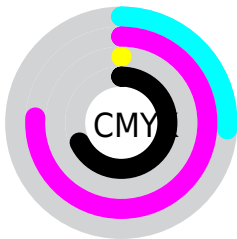
Distribution







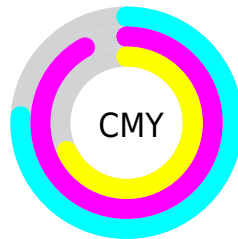
-  Red (24%)
-  Green (8%)
-  Blue (32%)






-  Red (24%)
-  Yellow (8%)
-  Blue (32%)



-  Cyan (26%)
-  Magenta (76%)
-  Yellow (0%)
-  Black (68%)





-  Cyan (76%)
-  Magenta (92%)
-  Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 42.937, 317.071 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, 42.937, 317.071 by changing the saturation by 10% instead.

 16, 42.937,
317.071


 16, 42.937,
317.071


 100, 42.937,
317.071


 6, 42.937, 317.071


 36, 42.937,
317.071

 0, 42.937, 317.071

 46, 42.937,
317.071


 56, 42.937,
317.071


 66, 42.937,
317.071


 76, 42.937,
317.071


 86, 42.937,


317.071


 96, 42.937,
317.071


 16, 42.937,
317.071


 16, 42.937,
317.071


 14, 47.141,
317.064


 18, 37.961,
316.909

 13, 50.834,
316.980

 20, 32.475,
316.631

 12, 52.619,
317.013

 23, 26.696,
316.281

 25, 20.786,
315.892

 28, 14.856,
315.488

■ 31, 8.981, 315.083

■ 33, 3.204, 314.679

■ 36, 2.446, 134.376

■ 39, 7.956, 134.009

Harmonies

Complementary

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



16, 42.937, 317.071



31, 40.663, 131.346

Rectangle

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



16, 42.937, 317.071



16, 42.937, 7.071



16, 42.937, 137.071



16, 42.937, 187.071

Sweetspot

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



16, 42.936, 317.071



37, 16.600, 315.414



17, 28.112, 284.703



17, 11.375, 315.502



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



16, 42.936, 317.071



19, 60.148, 316.879



19, 39.301, 333.154



15, 3.176, 314.806



17, 62.427, 316.700



42, 112.439, 316.023

Inverse Universe

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



18, 30.573, 4.521



22, 42.622, 10.881



30, 40.439, 141.919



15, 2.229, 354.003



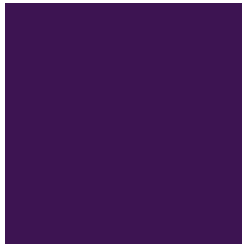
20, 44.302, 14.311



49, 80.613, 18.443

Previews

White Background



This preview shows how the CIELCh color 16, 42.937, 317.071 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 CIE LCh color 16, 42.937, 317.071 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, 42.937, 317.071

Background



This preview shows how black text looks on a background with the CIELCh color 16, 42.937, 317.071.



This preview shows how white text looks on a background with the CIELCh color 16, 42.937, 317.071.

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, 42.937, 317.071

Protanopia

16, 31.115, 282.342

Deuteranopia

16, 23.679, 271.103



Tritanopia
16, 9.229, 8.863

Trichromacy



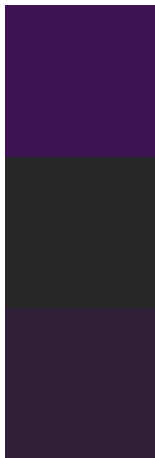
Original Color
16, 42.937, 317.071

Protanomaly
15, 35.089, 294.233

Deuteranomaly
15, 30.327, 291.582

Tritanomaly
16, 20.805, 328.800

Monochromacy



Original Color
16, 42.937, 317.071

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 17.480, 315.736

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 42.937, 317.071 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(61, 20, 82)` looks like.

```
.text, #text, p{  
    color:rgb(61, 20, 82)  
}
```

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(61, 20, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 20, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 42.937, 317.071 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(61, 20, 82) }
```

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

```
.border{ border-color:rgb(61, 20, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 20, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 20, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 20, 82);  
box-shadow:4px 4px 4px 4px rgb(61, 20, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 42.937, 317.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 20, 82) }
```

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

```
.background{ background-color: rgb(61, 20,  
82) }
```

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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