

Converting Colors

CIELCh(16, 44.198, 305.413)

Have a look what the booklet for
CIELCh(16, 44.198, 305.413)
contains.

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Color

CIELCh(16, 44.101, 305.344)

Conversions

Conversions Part 1

Format	Color
Hex	2B1C5C
RGB	43, 28, 92
RGB Percent	17%, 11%, 36%
CMY	0.8323, 0.8909, 0.6401
CMYK	0.53, 0.70, 0.00, 0.64
HSL	254°, 53%, 23%
HSV	254°, 70%, 36%
XYZ	3.3199, 2.0993, 10.3056
YIQ	39.7810, -11.6040, 23.0840

Conversions

Conversions Part 2

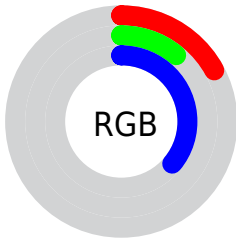
Format	Color
R_{YB}	43, 28, 92
Decimal	2825308
CIE Lab	16.00, 25.51, -35.97
CIE LCh	16, 44.101, 305.344
Yxy	2.0993, 0.2111, 0.1335
Android (android.graphics.Color)	4281015388 (0xFF2B1C5C)
YUV	39.7810, 25.7440, 2.8231
Hunter-Lab	14.4890, 15.5445, -32.0290




Details

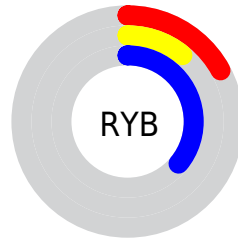
The CIELCh color **16, 44.101, 305.344** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **36, 37.290, 115.562**, and the grayscale version is **16, 0.003, 296.813**.




A 20% lighter version of the original color is **36, 43.883, 305.371**, and **2, 28.886, 294.603** is the 20% darker color. If you saturate the color by 10%, you get **13, 50.397, 306.322**, and if you desaturate by 10%, it is **19, 37.472, 304.291**.

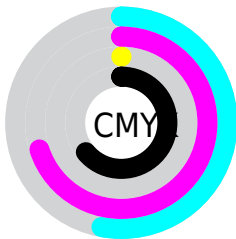
Distribution







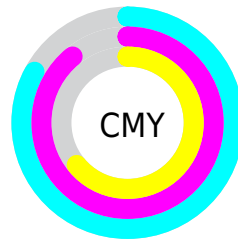
-  Red (17%)
-  Green (11%)
-  Blue (36%)






-  Red (17%)
-  Yellow (11%)
-  Blue (36%)



-  Cyan (53%)
-  Magenta (70%)
-  Yellow (0%)
-  Black (64%)



-  Cyan (83%)
-  Magenta (89%)
-  Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 44.101, 305.344 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, 44.101, 305.344 by changing the saturation by 10% instead.

■ 16, 44.101,
305.344

■ 16, 44.101,
305.344

■ 100, 44.101,
305.344

■ 6, 44.101, 305.344

■ 36, 44.101,
305.344

■ 0, 44.101, 305.344

■ 46, 44.101,
305.344

■ 56, 44.101,
305.344

■ 66, 44.101,
305.344

■ 76, 44.101,
305.344


■ 86, 44.101,


305.344


 96, 44.101,
305.344


 16, 44.101,
305.344

 16, 44.101,
305.344


 13, 50.397,
306.322

 19, 37.472,
304.291


 11, 55.897,
307.085


 22, 30.794,
303.251

 8, 61.516, 308.095

 26, 24.218,
302.275

 8, 61.708, 308.137

 29, 17.816,
301.387

 32, 11.615,
300.593

■ 36, 5.622, 299.890

■ 39, 0.167, 119.359

■ 42, 5.761, 118.742

■ 46, 11.169,
118.272

Harmonies

Complementary

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



16, 44.101, 305.344



36, 37.290, 115.562

Rectangle

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



16, 44.101, 305.344



16, 44.101, 355.344



16, 44.101, 125.344



16, 44.101, 175.344

Sweetspot

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



16, 44.101, 305.345



42, 15.480, 300.743



30, 17.594, 230.811



20, 10.593, 300.880



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



16, 44.101, 305.345



17, 65.620, 306.888



20, 44.007, 319.217



17, 3.244, 299.834



12, 70.090, 307.949



32, 124.406, 307.452

Inverse Universe

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



22, 38.384, 336.465



28, 52.696, 337.986



35, 42.532, 133.380



17, 3.286, 332.228



23, 52.251, 339.598



53, 91.144, 340.535

Previews

White Background



This preview shows how the CIELCh color 16, 44.101, 305.344 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, 44.101, 305.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

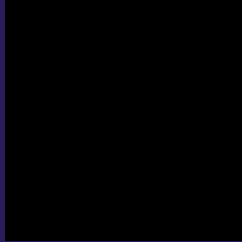
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 44.101, 305.344

Background



This preview shows how black text looks on a background with the CIELCh color 16, 44.101, 305.344.



This preview shows how white text looks on a background with the CIELCh color 16, 44.101, 305.344.

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

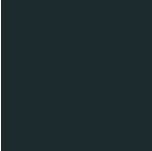
16, 44.101, 305.344

Protanopia

16, 30.535, 282.222

Deuteranopia

16, 21.959, 267.525



Tritanopia
16, 6.664, 216.633

Trichromacy



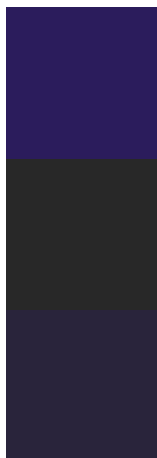
Original Color
16, 44.101, 305.344

Protanomaly
15, 35.697, 291.748

Deuteranomaly
15, 29.600, 287.027

Tritanomaly
16, 18.298, 290.303

Monochromacy



Original Color
16, 44.101, 305.344

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 16.356, 301.423

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 44.101, 305.344 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, 28, 92)` looks like.

```
.text, #text, p{  
    color:rgb(43, 28, 92)  
}
```

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, 28, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 28, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 44.101, 305.344 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, 28, 92) }
```

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

```
.border{ border-color:rgb(43, 28, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 28, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 28, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 28, 92);  
box-shadow:4px 4px 4px 4px rgb(43, 28, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 44.101, 305.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 28, 92) }
```

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

```
.background{ background-color: rgb(43, 28,  
92) }
```

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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