

Converting Colors

CIELCh(16, 25.637, 306.261)

Have a look what the booklet for
CIELCh(16, 25.637, 306.261)
contains.

CIELCh(16, 25.637, 306.261)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(16, 25.637, 306.261)

Conversions

Conversions Part 1

Format	Color
Hex	2D2145
RGB	45, 33, 69
RGB Percent	18%, 13%, 27%
CMY	0.8224, 0.8696, 0.7283
CMYK	0.35, 0.52, 0.00, 0.73
HSL	260°, 35%, 20%
HSV	260°, 52%, 27%
XYZ	2.7284, 2.0993, 5.9380
YIQ	40.6920, -4.4040, 13.7400

Conversions

Conversions Part 2

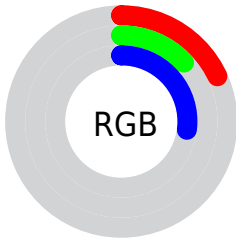
Format	Color
R_{YB}	45, 33, 69
Decimal	2957637
CIE _{Lab}	16.00, 15.16, -20.67
CIE _{LCh}	16, 25.637, 306.261
Yxy	2.0993, 0.2534, 0.1950
Android (android.graphics.Color)	4281147717 (0xFF2D2145)
YUV	40.6920, 13.9558, 3.7781
Hunter-Lab	14.4890, 8.2572, -14.1564

Details

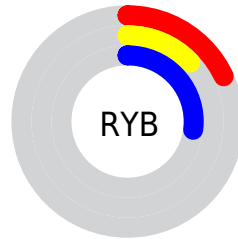
The CIELCh color **16, 25.637, 306.261** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **28, 23.311, 120.562**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 26.209, 306.275**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **14, 30.843, 307.007**, and if you desaturate by 10%, it is **19, 20.458, 305.535**.

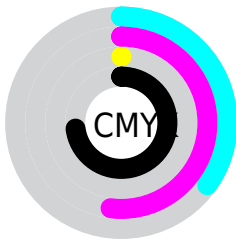
Distribution



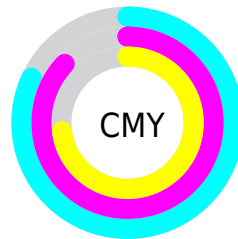
- Red (18%)
- Green (13%)
- Blue (27%)



- Red (18%)
- Yellow (13%)
- Blue (27%)



- Cyan (35%)
- Magenta (52%)
- Yellow (0%)
- Black (73%)





- Cyan (82%)
- Magenta (87%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 25.637, 306.261 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, 25.637, 306.261 by changing the saturation by 10% instead.

 16, 25.637,
306.261


 16, 25.637,
306.261


 100, 25.637,
306.261


 6, 25.637, 306.261


 36, 25.637,
306.261

 0, 25.637, 306.261

 46, 25.637,
306.261


 56, 25.637,
306.261


 66, 25.637,
306.261


 76, 25.637,
306.261


 86, 25.637,


306.261


 96, 25.637,
306.261


 16, 25.637,
306.261

 16, 25.637,
306.261


 14, 30.843,
307.007

 19, 20.458,
305.535

 11, 35.958,
307.729

 21, 15.372,
304.853

 9, 40.780, 308.359

 24, 10.413,
304.226

 7, 45.235, 308.879

 26, 5.595, 303.658

 6, 48.638, 309.163

 29, 0.922, 303.125

 31, 3.607, 122.714

■ 34, 7.999, 122.311

■ 37, 12.258,
121.960

■ 39, 16.390,
121.652

Harmonies

Complementary

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



16, 25.637, 306.261



28, 23.311, 120.562

Rectangle

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



16, 25.637, 306.261



16, 25.637, 356.261



16, 25.637, 126.261



16, 25.637, 176.261

Sweetspot

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



16, 25.636, 306.261



33, 9.269, 303.914



23, 11.671, 242.134



15, 6.320, 303.963



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, 25.636, 306.261



18, 38.117, 307.186



18, 27.144, 321.819



13, 2.650, 303.478



11, 64.243, 309.381



32, 118.390, 308.663

Inverse Universe

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



19, 22.410, 339.413



23, 32.151, 340.570



26, 26.763, 137.012



13, 2.469, 336.174



20, 45.852, 345.979



50, 82.595, 347.791

Previews

White Background



This preview shows how the CIE LCh color 16, 25.637, 306.261 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, 25.637, 306.261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

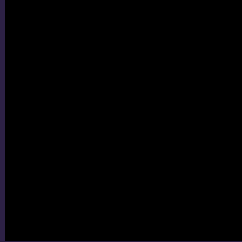
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 25.637, 306.261

Background



This preview shows how black text looks on a background with the CIELCh color 16, 25.637, 306.261.



This preview shows how white text looks on a background with the CIELCh color 16, 25.637, 306.261.

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

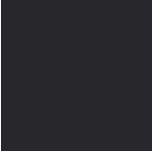
16, 25.637, 306.261

Protanopia

16, 25.379, 284.541

Deuteranopia

16, 20.204, 277.126



Tritanopia
16, 2.102, 290.747

Trichromacy



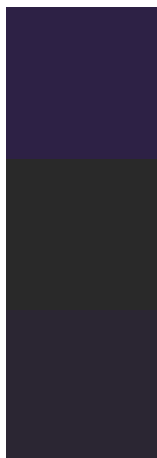
Original Color
16, 25.637, 306.261

Protanomaly
16, 25.201, 291.334

Deuteranomaly
16, 21.110, 287.222

Tritanomaly
16, 10.703, 302.205

Monochromacy



Original Color
16, 25.637, 306.261

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 9.424, 306.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 25.637, 306.261 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(45, 33, 69)` looks like.

```
.text, #text, p{  
    color:rgb(45, 33, 69)  
}
```

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(45, 33, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 33, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 25.637, 306.261 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(45, 33, 69) }
```

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

```
.border{ border-color:rgb(45, 33, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 33, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 33, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 33, 69);  
box-shadow:4px 4px 4px 4px rgb(45, 33, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 25.637, 306.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 33, 69) }
```

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

```
.background{ background-color: rgb(45, 33,  
69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor