

Converting Colors

CIELCh(16, 25.453, 349.438)

Have a look what the booklet for
CIELCh(16, 25.453, 349.438)
contains.

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Color

CIELCh(16, 25.563, 349.118)

Conversions

Conversions Part 1

Format	Color
Hex	45172F
RGB	69, 23, 47
RGB Percent	27%, 9%, 18%
CMY	0.7286, 0.9091, 0.8150
CMYK	0.00, 0.66, 0.32, 0.73
HSL	329°, 50%, 18%
HSV	329°, 66%, 27%
XYZ	3.2951, 2.0993, 2.9396
YIQ	39.4900, 19.7120, 17.2160

Conversions

Conversions Part 2

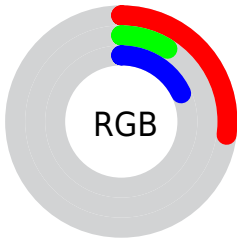
Format	Color
RYB	69, 23, 47
Decimal	4527919
CIELab	16.00, 25.10, -4.83
CIELCh	16, 25.563, 349.118
Yxy	2.0993, 0.3954, 0.2519
Android (android.graphics.Color)	4282717999 (0xFF45172F)
YUV	39.4900, 3.7024, 25.8803
Hunter-Lab	14.4890, 15.2387, -1.8868

Details

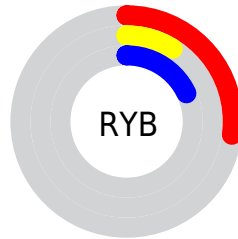
The CIELCh color **16, 25.563, 349.118** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **26, 24.407, 155.969**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 25.481, 348.839**, and **1, 5.526, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 28.481, 350.770**, and if you desaturate by 10%, it is **18, 22.153, 347.731**.

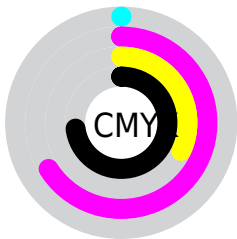
Distribution



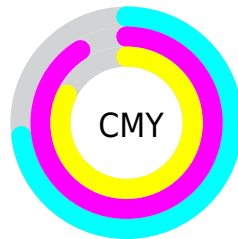
- Red (27%)
- Green (9%)
- Blue (18%)



- Red (27%)
- Yellow (9%)
- Blue (18%)



- Cyan (0%)
- Magenta (66%)
- Yellow (32%)
- Black (73%)





- Cyan (73%)
- Magenta (91%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 25.563, 349.118 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, 25.563, 349.118 by changing the saturation by 10% instead.

 16, 25.563,
349.118


 16, 25.563,
349.118


 100, 25.563,
349.118


 6, 25.563, 349.118


 36, 25.563,
349.118

 0, 25.563, 349.118

 46, 25.563,
349.118


 56, 25.563,
349.118


 66, 25.563,
349.118


 76, 25.563,
349.118


 86, 25.563,


349.118


 96, 25.563,
349.118


 16, 25.563,
349.118


 16, 25.563,
349.118


 15, 28.481,
350.770


 18, 22.153,
347.731


 13, 30.758,
352.769

 19, 18.416,
346.539

 12, 32.942,
354.748

 21, 14.491,
345.494

 12, 33.795,
355.366

 24, 10.486,
344.562

 26, 6.480, 343.715

■ 28, 2.526, 342.906

■ 30, 1.343, 162.418

■ 32, 5.109, 161.667

■ 35, 8.762, 161.048

Harmonies

Complementary

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



16, 25.563, 349.118



26, 24.407, 155.969

Rectangle

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



16, 25.563, 349.118



16, 25.563, 39.118



16, 25.563, 169.118



16, 25.563, 219.118

Sweetspot

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



16, 25.562, 349.119



32, 9.742, 344.070



13, 33.174, 311.069



15, 6.710, 344.182



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, 25.562, 349.119



19, 35.743, 352.058



15, 24.585, 24.902



13, 2.230, 343.083



20, 42.970, 357.455



49, 77.815, 0.579

Inverse Universe

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



16, 25.562, 349.119



19, 35.743, 352.058



26, 16.293, 193.288



13, 2.230, 343.083



20, 42.970, 357.455



49, 77.815, 0.579

Previews

White Background



This preview shows how the CIE LCh color 16, 25.563, 349.118 looks on a white background.

Color Contrast Check

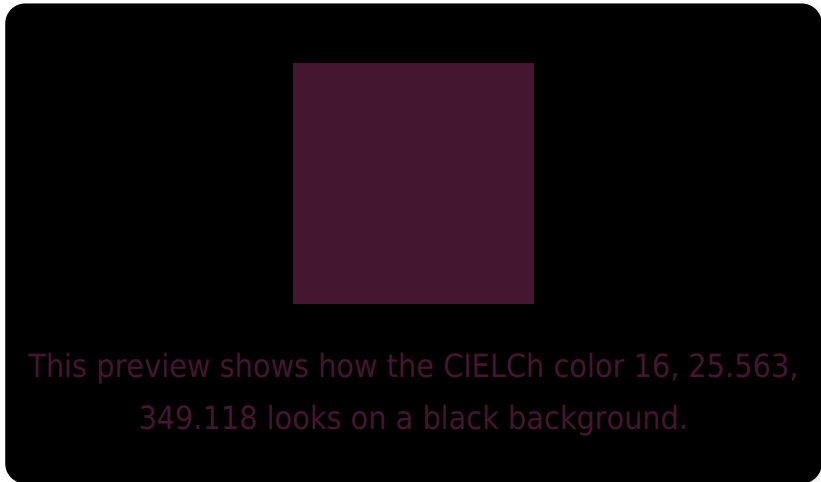
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

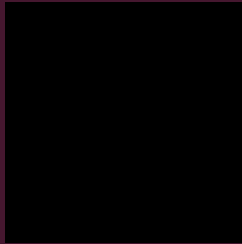
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 25.563, 349.118

Background



This preview shows how black text looks on a background with the CIELCh color 16, 25.563, 349.118.



This preview shows how white text looks on a background with the CIELCh color 16, 25.563, 349.118.

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, 25.563, 349.118

Protanopia

16, 13.351, 285.099

Deuteranopia

17, 3.783, 312.847



Tritanopia
16, 21.188, 23.783

Trichromacy



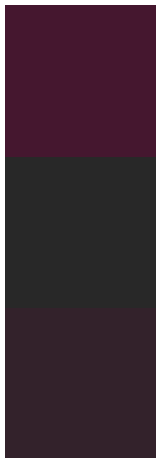
Original Color
16, 25.563, 349.118

Protanomaly
16, 15.839, 314.537

Deuteranomaly
16, 12.217, 339.578

Tritanomaly
16, 21.656, 8.378

Monochromacy



Original Color
16, 25.563, 349.118

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 10.290, 344.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 25.563, 349.118 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(69, 23, 47)` looks like.

```
.text, #text, p{  
    color:rgb(69, 23, 47)  
}
```

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(69, 23, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 23, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 25.563, 349.118 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(69, 23, 47) }
```

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

```
.border{ border-color:rgb(69, 23, 47) }
```

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

Here you see how a box with a 4 pixel rgb(69, 23, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 23, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 23, 47);  
box-shadow:4px 4px 4px 4px rgb(69, 23, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 25.563, 349.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 23, 47) }
```

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

```
.background{ background-color: rgb(69, 23,  
47) }
```

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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