

Converting Colors

CIELCh(16, 22.526, 344.451)

Have a look what the booklet for
CIELCh(16, 22.526, 344.451)
contains.

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Color

CIELCh(16, 22.424, 344.548)

Conversions

Conversions Part 1

Format	Color
Hex	411B31
RGB	65, 27, 49
RGB Percent	25%, 11%, 19%
CMY	0.7465, 0.8954, 0.8091
CMYK	0.00, 0.59, 0.25, 0.75
HSL	325°, 42%, 18%
HSV	325°, 59%, 25%
XYZ	3.0880, 2.0993, 3.1117
YIQ	40.8700, 15.5860, 14.8980

Conversions

Conversions Part 2

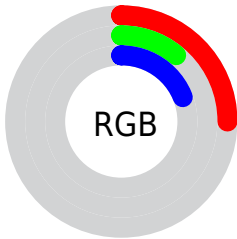
Format	Color
R_{YB}	65, 27, 49
Decimal	4266801
CIE _{Lab}	16.00, 21.61, -5.97
CIE _{LCh}	16, 22.424, 344.548
Yxy	2.0993, 0.3721, 0.2530
Android (android.graphics.Color)	4282456881 (0xFF411B31)
YUV	40.8700, 4.0081, 21.1620
Hunter-Lab	14.4890, 12.6872, -2.5909

Details

The CIELCh color **16, 22.424, 344.548** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 21.752, 154.340**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 22.466, 344.336**, and **1, 3.677, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 25.638, 345.771**, and if you desaturate by 10%, it is **18, 18.852, 343.483**.

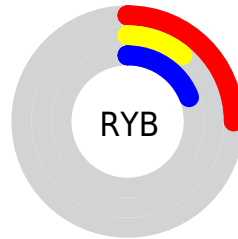
Distribution



Red (25%)

Green (11%)

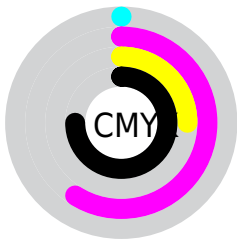
Blue (19%)



Red (25%)

Yellow (11%)

Blue (19%)

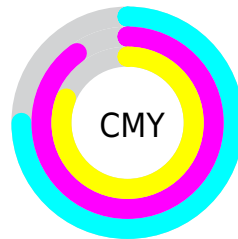


Cyan (0%)

Magenta (59%)

Yellow (25%)

Black (75%)



Cyan (75%)


Magenta (90%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 22.424, 344.548 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, 22.424, 344.548 by changing the saturation by 10% instead.

 16, 22.424,
344.548

 16, 22.424,
344.548

 100, 22.424,
344.548

 6, 22.424, 344.548

 36, 22.424,
344.548

 0, 22.424, 344.548

 46, 22.424,
344.548

 56, 22.424,
344.548


 66, 22.424,
344.548


 76, 22.424,
344.548


 86, 22.424,


344.548


 96, 22.424,
344.548


 16, 22.424,
344.548


 16, 22.424,
344.548


 14, 25.638,
345.771


 18, 18.852,
343.483

 13, 28.345,
347.203


 20, 15.063,
342.536

 12, 30.491,
348.861

 21, 11.167,
341.679

 11, 32.800,
350.350

 23, 7.244, 340.892

 11, 33.118,
350.518

 26, 3.351, 340.146

 28, 0.475, 159.887

■ 30, 4.212, 158.949

■ 32, 7.848, 158.349

■ 34, 11.379,
157.796

Harmonies

Complementary

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



16, 22.424, 344.548



24, 21.752, 154.340

Rectangle

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



16, 22.424, 344.548



16, 22.424, 34.548



16, 22.424, 164.548



16, 22.424, 214.548

Sweetspot

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



16, 22.423, 344.549



31, 8.666, 340.894



14, 27.589, 309.162



14, 6.081, 341.005



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



16, 22.423, 344.549



20, 32.079, 346.355



15, 19.937, 19.386



12, 2.178, 340.132



19, 43.109, 352.496



49, 78.505, 355.168

Inverse Universe

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



16, 22.423, 344.549



20, 32.079, 346.355



25, 14.557, 188.669



12, 2.178, 340.132



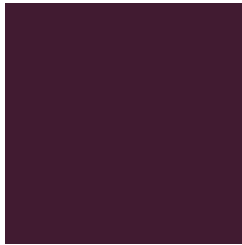
19, 43.109, 352.496



49, 78.505, 355.168

Previews

White Background



This preview shows how the CIE LCh color 16, 22.424, 344.548 looks on a white background.

Color Contrast Check

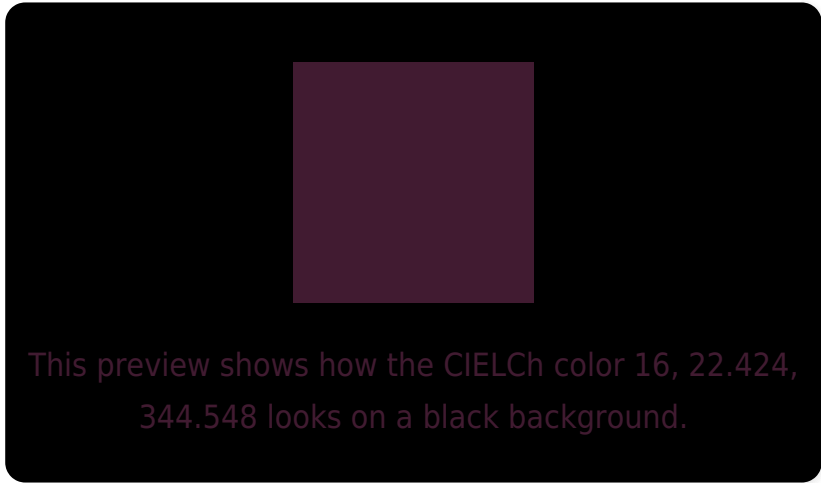
Large Text (above 18pt) WCAG AA ✓ Pass

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

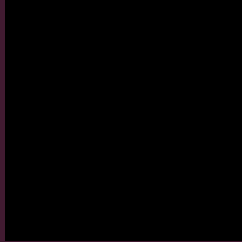
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 22.424, 344.548

Background



This preview shows how black text looks on a background with the CIELCh color 16, 22.424, 344.548.



This preview shows how white text looks on a background with the CIELCh color 16, 22.424, 344.548.

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, 22.424, 344.548

Protanopia

16, 12.669, 284.383

Deuteranopia

17, 4.995, 302.020



Tritanopia
16, 17.266, 19.841

Trichromacy



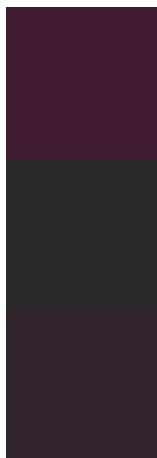
Original Color
16, 22.424, 344.548

Protanomaly
16, 14.886, 312.220

Deuteranomaly
16, 11.447, 329.794

Tritanomaly
16, 18.249, 5.421

Monochromacy



Original Color
16, 22.424, 344.548

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 8.717, 341.908

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 16, 22.424, 344.548 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(65, 27, 49)` looks like.

```
.text, #text, p{  
    color:rgb(65, 27, 49)  
}
```

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(65, 27, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 27, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 22.424, 344.548 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(65, 27, 49) }
```

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

```
.border{ border-color:rgb(65, 27, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 27, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 27, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 27, 49);  
box-shadow:4px 4px 4px 4px rgb(65, 27, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 22.424, 344.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 27, 49) }
```

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

```
.background{ background-color: rgb(65, 27,  
49) }
```

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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