

Converting Colors

CIELCh(16, 15.899, 46.596)

Have a look what the booklet for
CIELCh(16, 15.899, 46.596) contains.

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Color

CIELCh(16, 16.063, 44.998)

Conversions

Conversions Part 1

Format	Color
Hex	3B2118
RGB	59, 33, 24
RGB Percent	23%, 13%, 9%
CMY	0.7679, 0.8699, 0.9053
CMYK	0.00, 0.44, 0.59, 0.77
HSL	15°, 42%, 16%
HSV	15°, 59%, 23%
XYZ	2.5300, 2.0993, 1.1448
YIQ	39.7480, 18.3850, 2.7130

Conversions

Conversions Part 2

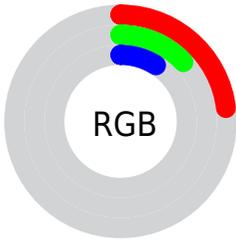
Format	Color
R_{YB}	59, 36, 24
Decimal	3875096
CIE _{Lab}	16.00, 11.36, 11.36
CIE _{LCh}	16, 16.063, 44.998
Yxy	2.0993, 0.4382, 0.3636
Android (android.graphics.Color)	4282065176 (0xFF3B2118)
YUV	39.7480, -7.7638, 16.8840
Hunter-Lab	14.4890, 5.8129, 5.4577

Details

The CIELCh color **16, 16.063, 44.998** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **19, 11.164, 231.735**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 16.068, 43.681**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 19.313, 44.896**, and if you desaturate by 10%, it is **17, 12.899, 44.979**.

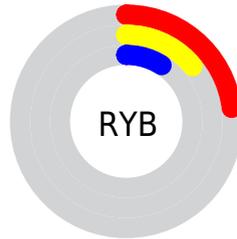
Distribution



 Red (23%)

 Green (13%)

 Blue (9%)



 Red (23%)

 Yellow (14%)

 Blue (9%)

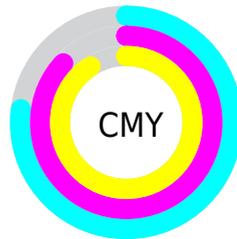


 Cyan (0%)

 Magenta (44%)

 Yellow (59%)

 Black (77%)



 Cyan (77%)

 Magenta (87%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 16.063, 44.998 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, 16.063, 44.998 by changing the saturation by 10% instead.

 16, 16.063, 44.998

 16, 16.063, 44.998

 100, 16.063,
44.998

 6, 16.063, 44.998

 36, 16.063, 44.998

 0, 16.063, 44.998

 46, 16.063, 44.998

 56, 16.063, 44.998

 66, 16.063, 44.998

 76, 16.063, 44.998

 86, 16.063, 44.998

 96, 16.063, 44.998

■ 16, 16.063, 44.998

■ 16, 16.063, 44.998

■ 15, 19.313, 44.896

■ 17, 12.899, 44.979

■ 13, 22.097, 43.409

■ 19, 9.922, 45.071

■ 12, 24.462, 41.244

■ 20, 7.135, 45.262

■ 11, 26.739, 39.788

■ 22, 4.530, 45.528

■ 11, 26.921, 39.703

■ 23, 2.095, 45.821

■ 25, 0.182, 227.548

■ 27, 2.317, 226.864

■ 28, 4.324, 227.286

■ 30, 6.215, 227.755

Harmonies

Complementary

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



16, 16.063, 44.998



19, 11.164, 231.735

Rectangle

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



16, 16.063, 44.998



16, 16.063, 94.998



16, 16.063, 224.998



16, 16.063, 274.998

Sweetspot

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



16, 16.062, 45.002



29, 5.259, 45.538



15, 23.391, 336.025



13, 3.601, 45.506



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

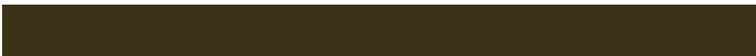
The Same Dimension uses a secret algorithm to generate beautiful new colors.



16, 16.062, 45.002



20, 25.042, 45.267



21, 18.014, 90.838



11, 1.300, 45.839



20, 43.139, 44.599



50, 87.388, 45.184

Inverse Universe

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



19, 11.164, 231.735



24, 15.522, 234.645



13, 18.916, 286.160



11, 1.247, 226.804



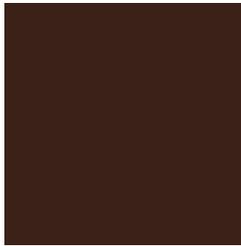
27, 21.895, 244.350



63, 41.678, 248.353

Previews

White Background



This preview shows how the CIELCh color 16, 16.063, 44.998 looks on a white background.

Color Contrast Check

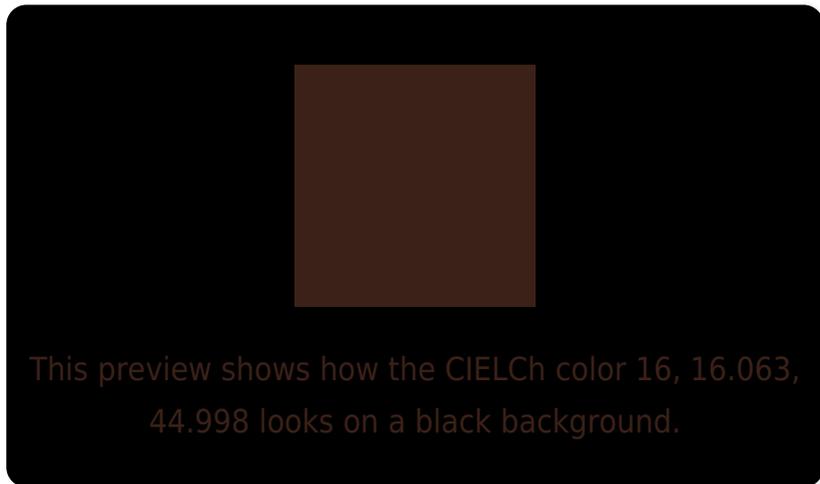
Large Text (above 18pt) WCAG AA ✓ Pass

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

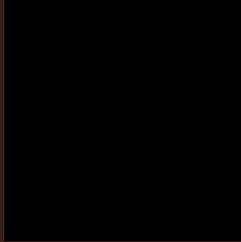
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

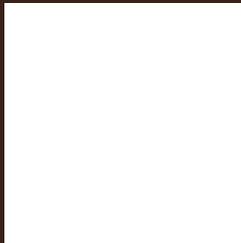
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 16.063, 44.998

Background



This preview shows how black text looks on a background with the CIELCh color 16, 16.063, 44.998.



This preview shows how white text looks on a background with the CIELCh color 16, 16.063, 44.998.

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, 16.063, 44.998

Protanopia

16, 9.273, 94.431

Deuteranopia

16, 12.183, 77.425



Tritanopia
16, 14.538, 18.035

Trichromacy



Original Color

16, 16.063, 44.998

Protanomaly

16, 10.727, 70.433

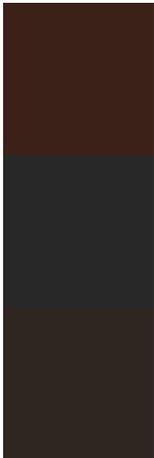
Deuteranomaly

16, 13.348, 62.674

Tritanomaly

16, 15.086, 28.479

Monochromacy



Original Color

16, 16.063, 44.998

Achromatopsia

16, 0.003, 296.813

Achromatomaly

16, 5.433, 51.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 16.063, 44.998 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(59, 33, 24)` looks like.

```
.text, #text, p{  
    color:rgb(59, 33, 24)  
}
```

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(59, 33, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 33, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 16.063, 44.998 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(59, 33, 24) }
```

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

```
.border{ border-color:rgb(59, 33, 24) }
```

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

Here you see how a box with a 4 pixel rgb(59, 33, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 33, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 33, 24);  
box-shadow:4px 4px 4px 4px rgb(59, 33, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 16.063, 44.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 33, 24) }
```

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

```
.background{ background-color: rgb(59, 33,  
24) }
```

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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