

Converting Colors

CIELCh(16, 18.571, 41.400)

Have a look what the booklet for
CIELCh(16, 18.571, 41.400) contains.

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Color

CIELCh(16, 18.503, 40.555)

Conversions

Conversions Part 1

Format	Color
Hex	3E1F17
RGB	62, 31, 23
RGB Percent	24%, 12%, 9%
CMY	0.7553, 0.8770, 0.9085
CMYK	0.00, 0.50, 0.63, 0.76
HSL	12°, 46%, 17%
HSV	12°, 63%, 24%
XYZ	2.6697, 2.0993, 1.0929
YIQ	39.3570, 21.0440, 4.0840

Conversions

Conversions Part 2

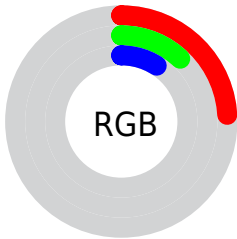
Format	Color
RYB	62, 33, 23
Decimal	4071191
CIELab	16.00, 14.06, 12.03
CIElCh	16, 18.503, 40.555
Yxy	2.0993, 0.4554, 0.3581
Android (android.graphics.Color)	4282261271 (0xFF3E1F17)
YUV	39.3570, -8.0640, 19.8579
Hunter-Lab	14.4890, 7.5346, 5.6701

Details

The CIELCh color **16, 18.503, 40.555** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **21, 12.177, 224.373**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 18.623, 38.994**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 21.990, 40.686**, and if you desaturate by 10%, it is **18, 15.023, 40.130**.

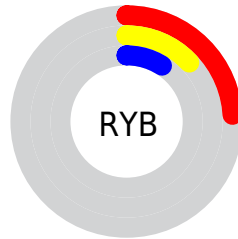
Distribution



 Red (24%)

 Green (12%)

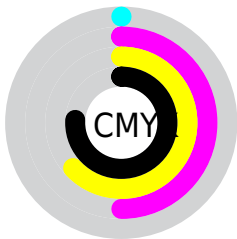
 Blue (9%)



 Red (24%)

 Yellow (13%)

 Blue (9%)

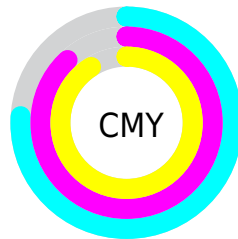


 Cyan (0%)


 Magenta (50%)

 Yellow (63%)

 Black (76%)



 Cyan (76%)

 Magenta (88%)

 Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 18.503, 40.555 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, 18.503, 40.555 by changing the saturation by 10% instead.

 16, 18.503, 40.555

 16, 18.503, 40.555

 100, 18.503,
40.555

 6, 18.503, 40.555

 36, 18.503, 40.555

 0, 18.503, 40.555

 46, 18.503, 40.555

 56, 18.503, 40.555

 66, 18.503, 40.555

 76, 18.503, 40.555

 86, 18.503, 40.555

 96, 18.503, 40.555

■ 16, 18.503, 40.555

■ 16, 18.503, 40.555

■ 15, 21.990, 40.686

■ 18, 15.023, 40.130

■ 13, 24.923, 39.356

■ 19, 11.740, 39.865

■ 12, 27.462, 37.763

■ 21, 8.664, 39.741

■ 11, 29.247, 37.154

■ 22, 5.793, 39.730

■ 24, 3.116, 39.793

■ 26, 0.621, 39.660

■ 28, 1.707, 220.413

■ 29, 3.886, 220.610

■ 31, 5.929, 220.896

Harmonies

Complementary

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



16, 18.503, 40.555



21, 12.177, 224.373

Rectangle

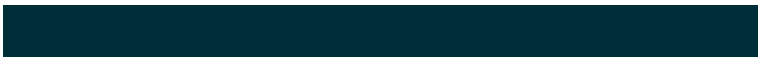
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16, 18.503, 40.555



16, 18.503, 90.555



16, 18.503, 220.555



16, 18.503, 270.555

Sweetspot

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



16, 18.502, 40.559



31, 6.027, 39.742



15, 26.504, 334.193



14, 4.093, 39.737



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



16, 18.502, 40.559



20, 29.078, 41.582



22, 19.182, 86.557



11, 1.330, 39.818



20, 44.058, 41.930



49, 89.482, 43.375

Inverse Universe

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



21, 12.177, 224.373



27, 16.768, 226.988



14, 19.632, 283.864



11, 1.272, 220.431



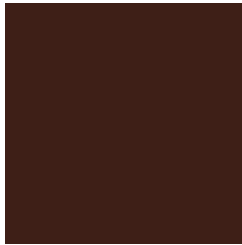
29, 21.157, 233.886



67, 39.716, 237.255

Previews

White Background



This preview shows how the CIELCh color 16, 18.503, 40.555 looks on a white background.

Color Contrast Check

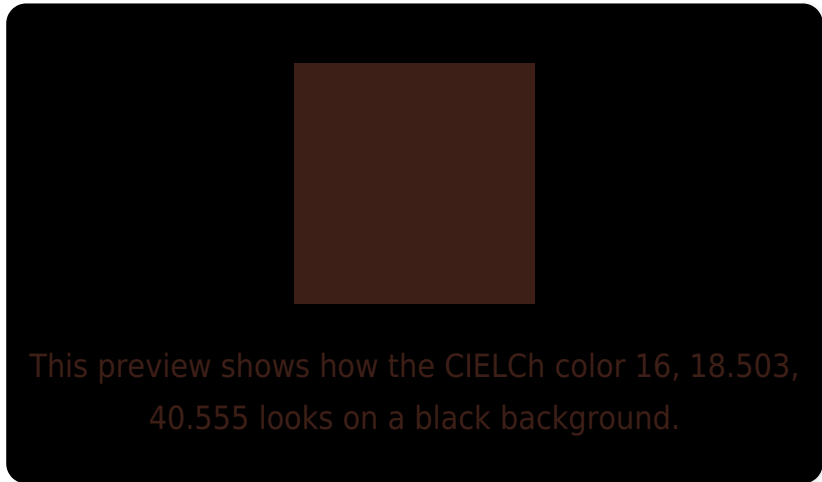
Large Text (above 18pt) WCAG AA ✓ Pass

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

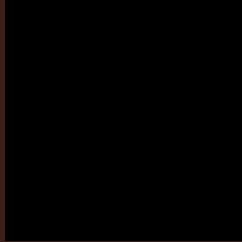
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 18.503, 40.555

Background



This preview shows how black text looks on a background with the CIELCh color 16, 18.503, 40.555.

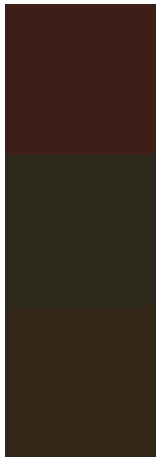


This preview shows how white text looks on a background with the CIELCh color 16, 18.503, 40.555.

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, 18.503, 40.555

Protanopia

16, 9.273, 94.431

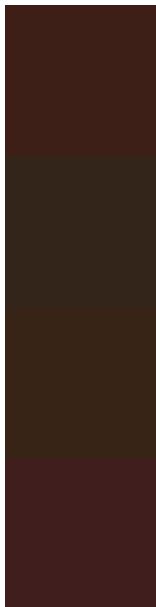
Deuteranopia

16, 13.355, 79.828



Tritanopia
16, 17.266, 19.841

Trichromacy



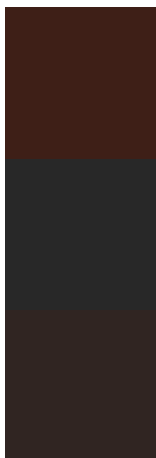
Original Color
16, 18.503, 40.555

Protanomaly
16, 10.984, 64.083

Deuteranomaly
16, 14.727, 61.414

Tritanomaly
16, 17.715, 26.447

Monochromacy



Original Color
16, 18.503, 40.555

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 6.074, 40.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 18.503, 40.555 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(62, 31, 23)` looks like.

```
.text, #text, p{  
    color:rgb(62, 31, 23)  
}
```

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(62, 31, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 31, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 18.503, 40.555 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(62, 31, 23) }
```

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

```
.border{ border-color:rgb(62, 31, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 31, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 31, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 31, 23);  
box-shadow:4px 4px 4px 4px rgb(62, 31, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 18.503, 40.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 31, 23) }
```

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

```
.background{ background-color: rgb(62, 31,  
23) }
```

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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