

Converting Colors

CIELCh(16, 20.045, 352.915)

Have a look what the booklet for
CIELCh(16, 20.045, 352.915)
contains.

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Color

CIELCh(16, 19.914, 352.427)

Conversions

Conversions Part 1

Format	Color
Hex	401C2C
RGB	64, 28, 44
RGB Percent	25%, 11%, 17%
CMY	0.7492, 0.8903, 0.8276
CMYK	0.00, 0.56, 0.31, 0.75
HSL	333°, 39%, 18%
HSV	333°, 56%, 25%
XYZ	2.9805, 2.0993, 2.6277
YIQ	40.5880, 16.3200, 12.6080

Conversions

Conversions Part 2

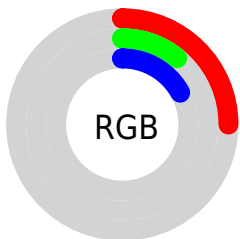
Format	Color
R_{YB}	64, 28, 44
Decimal	4201516
CIE Lab	16.00, 19.74, -2.62
CIE LCh	16, 19.914, 352.427
Yxy	2.0993, 0.3867, 0.2724
Android (android.graphics.Color)	4282391596 (0xFF401C2C)
YUV	40.5880, 1.6821, 20.5323
Hunter-Lab	14.4890, 11.3629, -0.6106

Details

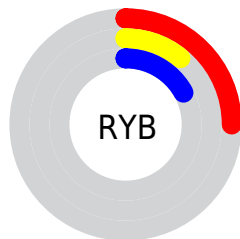
The CIELCh color **16, 19.914, 352.427** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **24, 18.486, 161.478**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 19.733, 352.983**, and **0, 1.941, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 23.101, 354.008**, and if you desaturate by 10%, it is **18, 16.474, 351.090**.

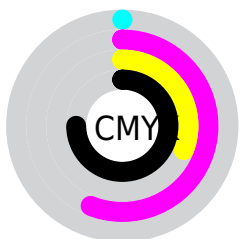
Distribution



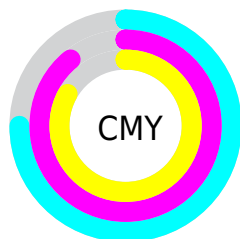
- Red (25%)
- Green (11%)
- Blue (17%)



- Red (25%)
- Yellow (11%)
- Blue (17%)



- Cyan (0%)
- Magenta (56%)
- Yellow (31%)
- Black (75%)





- Cyan (75%)
- Magenta (89%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 19.914, 352.427 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, 19.914, 352.427 by changing the saturation by 10% instead.

 16, 19.914,
352.427


 16, 19.914,
352.427


 100, 19.914,
352.427


 6, 19.914, 352.427


 36, 19.914,
352.427

 0, 19.914, 352.427

 46, 19.914,
352.427


 56, 19.914,
352.427


 66, 19.914,
352.427


 76, 19.914,
352.427


 86, 19.914,


352.427


 96, 19.914,
352.427


 16, 19.914,
352.427


 16, 19.914,
352.427

 14, 23.101,
354.008

 18, 16.474,
351.090

 13, 25.900,
355.909

 20, 12.902,
349.935

 12, 28.191,
358.215

 22, 9.288, 348.919

 11, 30.545, 0.379

 24, 5.697, 348.006

 10, 31.526, 1.073

 26, 2.171, 347.141

 28, 1.266, 166.642

■ 30, 4.599, 165.857

■ 32, 7.823, 165.217

■ 34, 10.938,
164.632

Harmonies

Complementary

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



16, 19.914, 352.427



24, 18.486, 161.478

Rectangle

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



16, 19.914, 352.427



16, 19.914, 42.427



16, 19.914, 172.427



16, 19.914, 222.427

Sweetspot

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



16, 19.913, 352.428



31, 7.489, 348.137



15, 26.431, 313.113



15, 5.057, 348.195



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, 19.913, 352.428



20, 29.453, 354.873



16, 18.534, 28.192



12, 1.988, 347.344



19, 41.604, 4.116



48, 76.676, 8.028

Inverse Universe

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



16, 19.913, 352.428



20, 29.453, 354.873



24, 12.780, 202.725



12, 1.988, 347.344



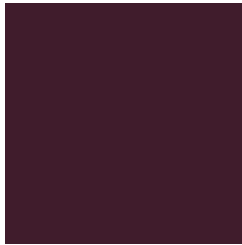
19, 41.604, 4.116



48, 76.676, 8.028

Previews

White Background



This preview shows how the CIE LCh color 16, 19.914, 352.427 looks on a white background.

Color Contrast Check

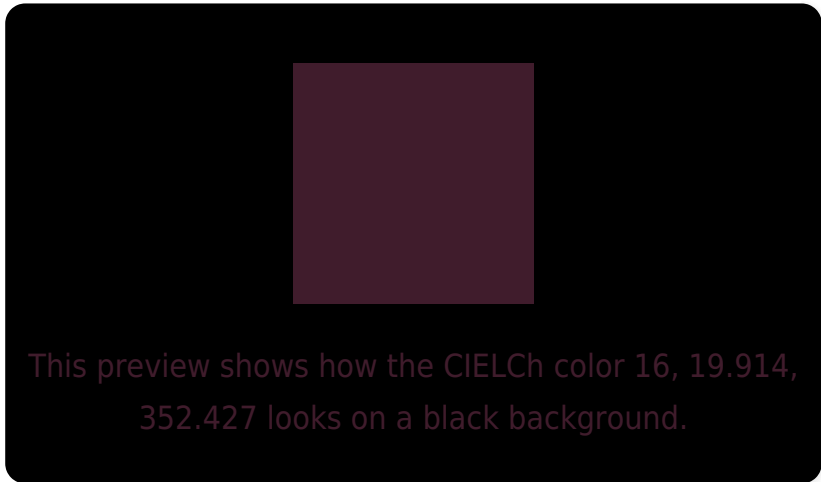
Large Text (above 18pt) WCAG AA ✓ Pass

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

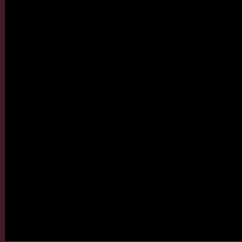
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 19.914, 352.427

Background



This preview shows how black text looks on a background with the CIELCh color 16, 19.914, 352.427.



This preview shows how white text looks on a background with the CIELCh color 16, 19.914, 352.427.

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, 19.914, 352.427

Protanopia

16, 8.416, 286.514

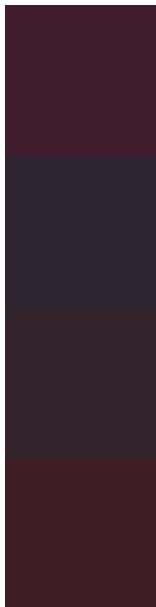
Deuteranopia

16, 3.203, 339.285



Tritanopia
16, 17.266, 19.841

Trichromacy



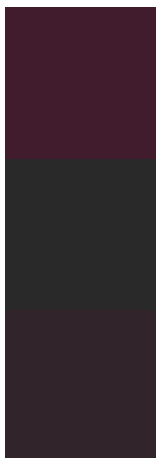
Original Color
16, 19.914, 352.427

Protanomaly
16, 10.446, 321.179

Deuteranomaly
16, 9.503, 346.033

Tritanomaly
16, 17.659, 9.127

Monochromacy



Original Color
16, 19.914, 352.427

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 7.566, 347.798

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 19.914, 352.427 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(64, 28, 44)` looks like.

```
.text, #text, p{  
    color:rgb(64, 28, 44)  
}
```

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(64, 28, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 28, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 19.914, 352.427 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(64, 28, 44) }
```

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

```
.border{ border-color:rgb(64, 28, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 28, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 28, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 28, 44);  
box-shadow:4px 4px 4px 4px rgb(64, 28, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 19.914, 352.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 28, 44) }
```

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

```
.background{ background-color: rgb(64, 28,  
44) }
```

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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