

Converting Colors

CIELCh(17, 17.421, 352.645)

Have a look what the booklet for
CIELCh(17, 17.421, 352.645)
contains.

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Color

CIELCh(17, 17.473, 354.059)

Conversions

Conversions Part 1

Format	Color
Hex	40202D
RGB	64, 32, 45
RGB Percent	25%, 13%, 18%
CMY	0.7495, 0.8749, 0.8239
CMYK	0.00, 0.50, 0.30, 0.75
HSL	336°, 33%, 19%
HSV	336°, 50%, 25%
XYZ	3.0924, 2.3023, 2.7536
YIQ	43.0500, 14.8990, 10.8270

Conversions

Conversions Part 2

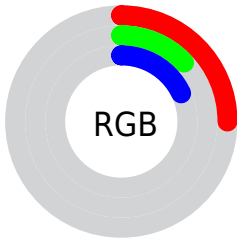
Format	Color
R_{YB}	64, 32, 45
Decimal	4202541
CIE _{Lab}	17.00, 17.38, -1.81
CIE _{LCh}	17, 17.473, 354.059
Yxy	2.3023, 0.3795, 0.2826
Android (android.graphics.Color)	4282392621 (0xFF40202D)
YUV	43.0500, 0.9613, 18.3731
Hunter-Lab	15.1734, 9.8253, -0.1382

Details

The CIELCh color **17, 17.473, 354.059** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **24, 16.086, 164.430**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 17.623, 353.262**, and **1, 3.358, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 20.810, 355.577**, and if you desaturate by 10%, it is **19, 13.978, 352.771**.

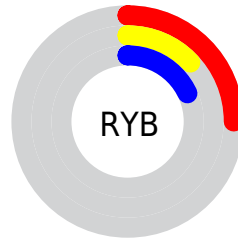
Distribution



Red (25%)

Green (13%)

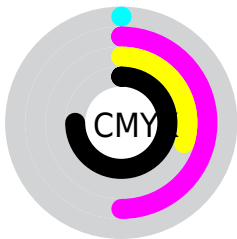
Blue (18%)



Red (25%)

Yellow (13%)

Blue (18%)

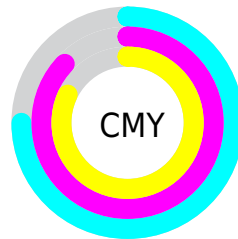


Cyan (0%)

Magenta (50%)

Yellow (30%)

Black (75%)



Cyan (75%)

Magenta (87%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 17.473, 354.059 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 17, 17.473, 354.059 by changing the saturation by 10% instead.

■ 17, 17.473,
354.059

■ 17, 17.473,
354.059

■ 100, 17.473,
354.059

■ 7, 17.473, 354.059

■ 37, 17.473,
354.059

■ 0, 17.473, 354.059

■ 47, 17.473,
354.059


■ 57, 17.473,
354.059


■ 67, 17.473,
354.059

■ 77, 17.473,
354.059


■ 87, 17.473,


354.059


 97, 17.473,
354.059


 17, 17.473,
354.059


 17, 17.473,
354.059

 15, 20.810,
355.577

 19, 13.978,
352.771

 14, 23.871,
357.393

 21, 10.427,
351.652

 12, 26.518,
359.604

 23, 6.890, 350.664

 11, 28.790, 2.147

 25, 3.413, 349.763

 10, 31.357, 4.272

 27, 0.026, 341.546

 29, 3.257, 168.380

■ 31, 6.428, 167.695

■ 34, 9.489, 167.082

■ 36, 12.441,
166.519

Harmonies

Complementary

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



17, 17.473, 354.059



24, 16.086, 164.430

Rectangle

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



17, 17.473, 354.059



17, 17.473, 44.059



17, 17.473, 174.059



17, 17.473, 224.059

Sweetspot

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



17, 17.472, 354.061



32, 6.442, 350.261



16, 23.553, 313.911



15, 4.439, 350.343



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



17, 17.472, 354.061



21, 26.053, 356.025



17, 15.745, 29.800



12, 1.941, 349.630



19, 41.564, 7.584



48, 77.015, 11.782

Inverse Universe

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



17, 17.472, 354.061



21, 26.053, 356.025



24, 11.332, 206.632



12, 1.941, 349.630



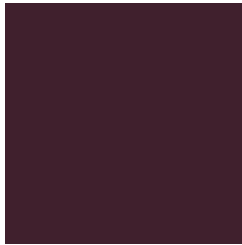
19, 41.564, 7.584



48, 77.015, 11.782

Previews

White Background



This preview shows how the CIELCh color 17, 17.473, 354.059 looks on a white background.

Color Contrast Check

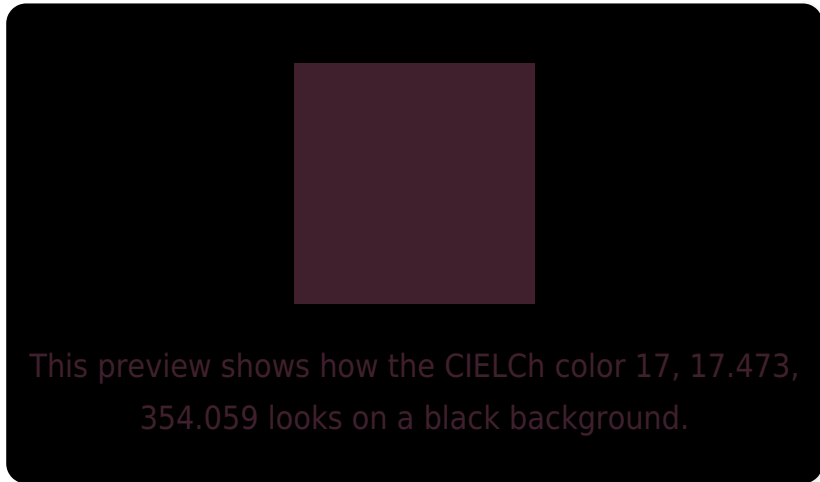
Large Text (above 18pt) WCAG AA ✓ Pass

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

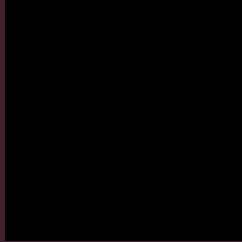
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 17.473, 354.059

Background



This preview shows how black text looks on a background with the CIELCh color 17, 17.473, 354.059.



This preview shows how white text looks on a background with the CIELCh color 17, 17.473, 354.059.

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

17, 17.473, 354.059

Protanopia

17, 6.296, 283.758

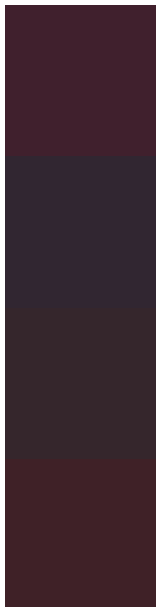
Deuteranopia

17, 2.785, 350.162



Tritanopia
17, 14.935, 18.189

Trichromacy



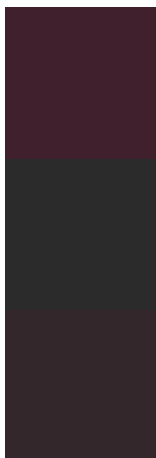
Original Color
17, 17.473, 354.059

Protanomaly
17, 9.219, 325.449

Deuteranomaly
17, 8.342, 351.767

Tritanomaly
17, 15.471, 8.485

Monochromacy



Original Color
17, 17.473, 354.059

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 6.744, 350.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 17.473, 354.059 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, 32, 45)` looks like.

```
.text, #text, p{  
    color:rgb(64, 32, 45)  
}
```

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, 32, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 32, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 17.473, 354.059 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, 32, 45) }
```

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

```
.border{ border-color:rgb(64, 32, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 32, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 32, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 32, 45);  
box-shadow:4px 4px 4px 4px rgb(64, 32, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 17.473, 354.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 32, 45) }
```

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

```
.background{ background-color: rgb(64, 32,  
45) }
```

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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