# Converting Colors

CIELCh(32, 17.221, 351.993)

Have a look what the booklet for CIELCh(32, 17.221, 351.993) contains.

# Color

CIELCh(32, 17.256, 352.028)

# Conversions

| Format | Color |
|---|---|
| Hex | 63414F |
| RGB | 99, 65, 79 |
| RGB Percent | 39%, 25%, 31% |
| CMY | 0.6098, 0.7433, 0.6884 |
| CMYK | 0.00, 0.34, 0.20, 0.61 |
| HSL | 335°, 21%, 32% |
| HSV | 335°, 34%, 39% |
| XYZ | 8.5446, 7.0852, 8.4033 |
| YIQ | 76.7620, 15.7700, 11.5620 |

Conversions Part 1

# Conversions

Conversions Part 2

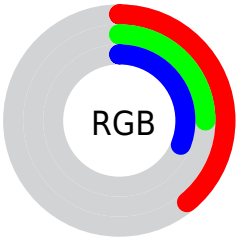
| Format | Color |
|---|---|
| RYB | 99, 65, 79 |
| Decimal | 6504783 |
| CIELab | 32.00, 17.09, -2.39 |
| CIELCh | 32, 17.256, 352.028 |
| Yxy | 7.0852, 0.3555, 0.2948 |
| Android (android.graphics.Color) | 4284694863 (0xFF63414F) |
| YUV | 76.7620, 1.1033, 19.5027 |
| Hunter-Lab | 26.6180, 10.7184, -0.0854 |

# Details

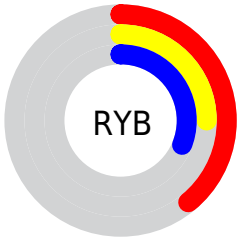
The CIELCh color 32, 17.256, 352.028 is a dark color, and the websafe version is hex 663333. A complement of this color would be 39, 16.250, 165.574, and the grayscale version is 33, 0.005, 296.813.

A 20% lighter version of the original color is 52, 17.258, 351.447, and 12, 17.391, 350.989 is the 20% darker color. If you saturate the color by 10%, you get 29, 22.347, 353.336, and if you desaturate by 10%, it is 35, 12.113, 350.900.

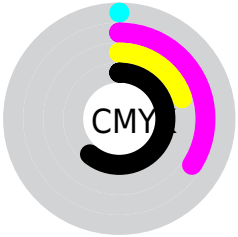
# Distribution



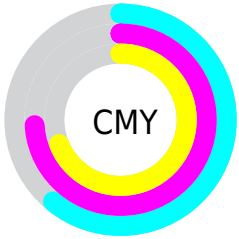

- Red (39%)
- Green (25%)
- Blue (31%)




- Red (39%)
- Yellow (25%)
- Blue (31%)




- Cyan (0%)
- Magenta (34%)
- Yellow (20%)
- Black (61%)




- Cyan (61%)
- Magenta (74%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 17.256, 352.028 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 32, 17.256, 352.028 by changing the saturation by 10% instead.

32, 17.256, 352.028

100, 17.256, 352.028

52, 17.256, 352.028

62, 17.256, 352.028

72, 17.256, 352.028

82, 17.256, 352.028

92, 17.256, 352.028

32, 17.256, 352.028

22, 17.256, 352.028

12, 17.256, 352.028

2, 17.256, 352.028

0, 17.256, 352.028

32, 17.256, 352.028

29, 22.347, 353.336

27, 27.242, 354.878

25, 31.747, 356.739

23, 35.637, 359.029

21, 38.706, 1.884

20, 40.965, 5.344

19, 42.336, 7.289

32, 17.256, 352.028

35, 12.113, 350.900

38, 7.024, 349.897

41, 2.051, 348.928

44, 2.770, 168.361

47, 7.423, 167.583

50, 11.904, 166.912

53, 16.217, 166.301

57, 20.371, 165.738

60, 24.374,

165.217

# Harmonies

# Complementary

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

32, 17.256, 352.028

39, 16.250, 165.574

# Rectangle

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

32, 17.256, 352.028

32, 17.256, 42.028

32, 17.256, 172.028

32, 17.256, 222.028

# Sweetspot

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

32, 17.254, 352.030

51, 6.129, 349.528

31, 23.084, 313.359

25, 4.220, 349.622

78, 0.009, 296.813

28, 0.004, 296.813

# Same Dimension

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

32, 17.254, 352.030

39, 25.834, 353.061

32, 14.840, 28.585

19, 2.813, 349.401

23, 46.847, 8.190

52, 81.557, 11.526

# Inverse Universe

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

32, 17.254, 352.030

39, 25.834, 353.061

39, 11.807, 206.520

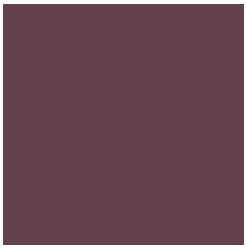
19, 2.813, 349.401

23, 46.847, 8.190

52, 81.557, 11.526

# Previews

## White Background

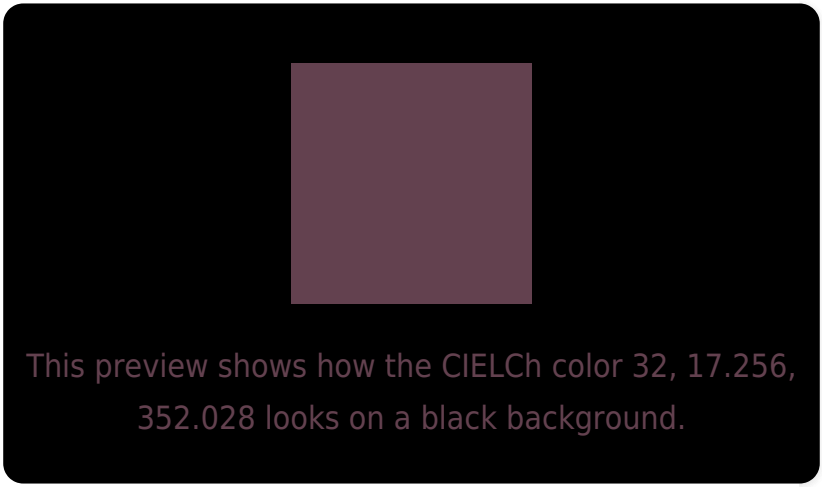


This preview shows how the CIELCh color 32, 17.256, 352.028 looks on a white background.

### 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

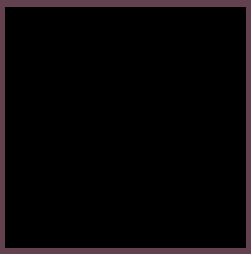



### Color Contrast Check

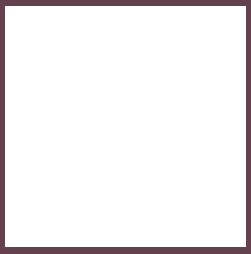
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

# CIELCh 32, 17.256, 352.028 Background



This preview shows how black text looks on a background with the CIELCh color 32, 17.256, 352.028.



This preview shows how white text looks on a background with the CIELCh color 32, 17.256, 352.028.

# 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**
32, 17.256, 352.028

**Protanopia**
32, 6.342, 287.576

**Deuteranopia**
32, 5.058, 341.527

**Tritanopia**
32, 14.872, 9.941

# Trichromacy

**Original Color**
32, 17.256, 352.028

**Protanomaly**
32, 8.437, 325.087

**Deuteranomaly**
32, 9.716, 345.277

**Tritanomaly**
32, 15.777, 1.387

# Monochromacy

**Original Color**
32, 17.256, 352.028

**Achromatopsia**
33, 0.005, 296.813

**Achromatomaly**
32, 6.145, 349.545

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 32, 17.256, 352.028 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(99, 65, 79) looks like.

```
.text, #text, p{
    color:rgb(99, 65, 79)
}
```

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(99, 65, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 65, 79) }
```

# Border

The CSS property to change the border of an element to CIELCh 32, 17.256, 352.028 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(99, 65, 79) }
```

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

```
.border{ border-color:rgb(99, 65, 79) }
```

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

Here you see how a box with a 4 pixel rgb(99, 65, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 65, 79); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 65, 79); box-shadow:4px 4px 4px 4px rgb(99, 65, 79) }
```

# Background

The CSS property to change the background color of an element to CIELCh 32, 17.256, 352.028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(99, 65, 79) }
```

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

```
.background{ background-color:rgb(99, 65,
79) }
```

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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