

Converting Colors

CIELCh(32, 57.760, 9.779)

Have a look what the booklet for
CIELCh(32, 57.760, 9.779) contains.

CIELCh(32, 57.755, 9.701)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(32, 57.755, 9.701)

Conversions

Conversions Part 1

Format	Color
Hex	99003F
RGB	153, 0, 63
RGB Percent	60%, 0%, 25%
CMY	0.4012, 1.0000, 0.7538
CMYK	0.00, 1.00, 0.59, 0.40
HSL	335°, 100%, 30%
HSV	335°, 100%, 60%
XYZ	13.9630, 7.0852, 5.3004
YIQ	52.9290, 70.9650, 52.0290

Conversions

Conversions Part 2

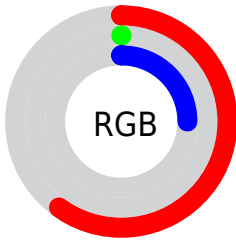
Format	Color
RYB	153, 0, 63
Decimal	10027071
CIELab	32.00, 56.93, 9.73
CIELCh	32, 57.755, 9.701
Yxy	7.0852, 0.5299, 0.2689
Android (android.graphics.Color)	4288217151 (0xFF99003F)
YUV	52.9290, 4.9650, 87.7623
Hunter-Lab	26.6180, 47.0546, 6.8261

Details

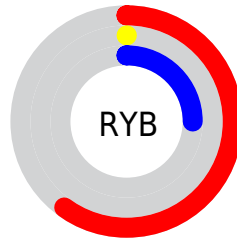
The CIELCh color **32, 57.755, 9.701** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **56, 54.723, 154.458**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 57.601, 9.972**, and **18, 43.239, 23.785** is the 20% darker color. If you saturate the color by 10%, you get **32, 57.673, 9.758**, and if you desaturate by 10%, it is **33, 55.508, 5.425**.

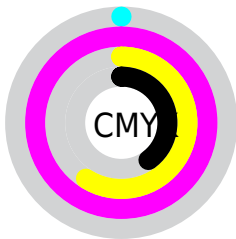
Distribution



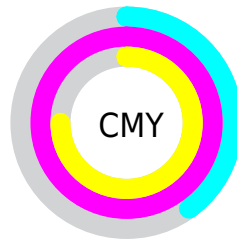
- Red (60%)
- Green (0%)
- Blue (25%)



- Red (60%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (40%)



- Cyan (40%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 57.755, 9.701 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, 57.755, 9.701 by changing the saturation by 10% instead.

 32, 57.755, 9.701  32, 57.755, 9.701

 100, 57.755, 9.701  22, 57.755, 9.701

 52, 57.755, 9.701  12, 57.755, 9.701

 62, 57.755, 9.701  2, 57.755, 9.701

 72, 57.755, 9.701  0, 57.755, 9.701

 82, 57.755, 9.701

 92, 57.755, 9.701

 32, 57.755, 9.701  32, 57.755, 9.701

 32, 57.673, 9.758  33, 55.508, 5.425

 35, 52.417, 1.726

■ 37, 47.949,
358.795

■ 40, 42.291,
356.465

■ 43, 35.772,
354.583

■ 46, 28.734,
353.031

■ 50, 21.463,
351.718

■ 54, 14.169,
350.583

■ 59, 6.989, 349.568

Harmonies

Complementary

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



32, 57.755, 9.701



56, 54.723, 154.458

Rectangle

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



32, 57.755, 9.701



32, 57.755, 59.701



32, 57.755, 189.701



32, 57.755, 239.701

Sweetspot

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



32, 57.673, 9.758



64, 26.634, 351.791



25, 83.483, 314.121



31, 18.165, 352.277



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



32, 57.673, 9.758



42, 70.245, 10.882



32, 69.677, 40.776



30, 3.952, 349.492



29, 54.180, 9.339



1, 4.195, 349.154

Inverse Universe

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



32, 57.673, 9.758



42, 70.245, 10.882



53, 30.902, 210.662



30, 3.952, 349.492



29, 54.180, 9.339



1, 4.195, 349.154

Previews

White Background



This preview shows how the CIELCh color 32, 57.755, 9.701 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



This preview shows how the CIE LCh color 32, 57.755, 9.701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

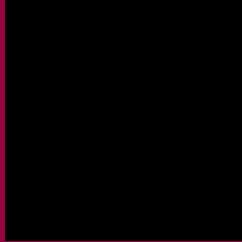
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 57.755, 9.701

Background



This preview shows how black text looks on a background with the CIELCh color 32, 57.755, 9.701.



This preview shows how white text looks on a background with the CIELCh color 32, 57.755, 9.701.

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, 57.755, 9.701

Protanopia

33, 8.204, 285.950

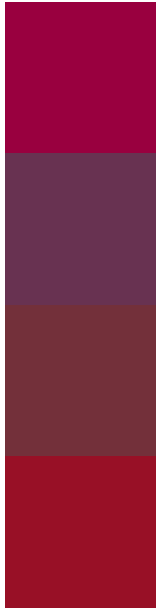
Deuteranopia

33, 14.901, 72.204



Tritanopia
33, 61.056, 34.914

Trichromacy



Original Color
32, 57.755, 9.701

Protanomaly
29, 29.461, 344.502

Deuteranomaly
30, 31.665, 15.371

Tritanomaly
32, 59.046, 26.372

Monochromacy



Original Color
32, 57.755, 9.701

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 28.124, 355.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 57.755, 9.701 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(153, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 63)  
}
```

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(153, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 57.755, 9.701 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(153, 0, 63) }
```

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

```
.border{ border-color:rgb(153, 0, 63) }
```

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

Here you see how a box with a 4 pixel rgb(153, 0, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 57.755, 9.701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 63) }
```

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

```
.background{ background-color: rgb(153, 0,  
63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor