

Converting Colors

CIELCh(32, 57.665, 7.502)

Have a look what the booklet for
CIELCh(32, 57.665, 7.502) contains.

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Color

CIELCh(32, 57.389, 7.520)

Conversions

Conversions Part 1

Format	Color
Hex	980042
RGB	152, 0, 66
RGB Percent	60%, 0%, 26%
CMY	0.4035, 0.9990, 0.7409
CMYK	0.00, 1.00, 0.57, 0.40
HSL	334°, 100%, 30%
HSV	334°, 100%, 60%
XYZ	13.9577, 7.0852, 5.7990
YIQ	52.9720, 69.4060, 52.7500

Conversions

Conversions Part 2

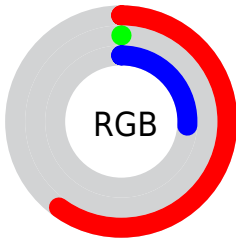
Format	Color
RYB	152, 0, 66
Decimal	9961538
CIELab	32.00, 56.90, 7.51
CIElCh	32, 57.389, 7.520
Yxy	7.0852, 0.5200, 0.2640
Android (android.graphics.Color)	4288151618 (0xFF980042)
YUV	52.9720, 6.4228, 86.8476
Hunter-Lab	26.6180, 47.0187, 5.7156

Details

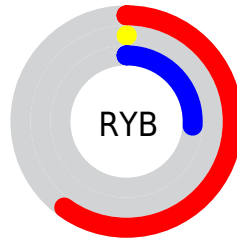
The CIELCh color **32, 57.389, 7.520** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **55, 55.907, 153.156**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 57.652, 7.218**, and **18, 42.203, 20.857** is the 20% darker color. If you saturate the color by 10%, you get **32, 57.420, 7.587**, and if you desaturate by 10%, it is **33, 55.411, 3.375**.

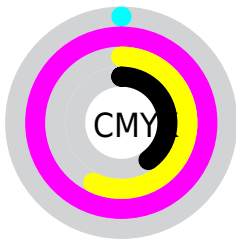
Distribution



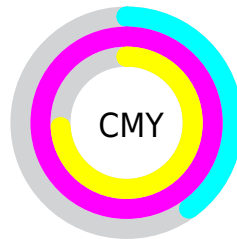
- Red (60%)
- Green (0%)
- Blue (26%)



- Red (60%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (40%)



- Cyan (40%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 57.389, 7.520 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, 57.389, 7.520 by changing the saturation by 10% instead.

 32, 57.389, 7.520

 32, 57.389, 7.520

 100, 57.389, 7.520

 22, 57.389, 7.520

 52, 57.389, 7.520

 12, 57.389, 7.520

 62, 57.389, 7.520

 2, 57.389, 7.520

 72, 57.389, 7.520

 0, 57.389, 7.520

 82, 57.389, 7.520

 92, 57.389, 7.520

 32, 57.389, 7.520

 32, 57.389, 7.520

 32, 57.420, 7.587

 33, 55.411, 3.375

 35, 52.436,

359.858

■ 37, 48.035,
357.073

■ 40, 42.410,
354.853

■ 43, 35.897,
353.054

■ 46, 28.842,
351.561

■ 50, 21.536,
350.292

■ 54, 14.192,
349.188

■ 59, 6.949, 348.197

Harmonies

Complementary

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



32, 57.389, 7.520



55, 55.907, 153.156

Rectangle

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



32, 57.389, 7.520



32, 57.389, 57.520



32, 57.389, 187.520



32, 57.389, 237.520

Sweetspot

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



32, 57.386, 7.522



64, 26.954, 350.383



24, 83.760, 313.270



32, 18.375, 350.855



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, 57.386, 7.522



42, 70.071, 8.687



31, 69.838, 40.208



30, 4.007, 348.138



29, 54.111, 7.203



1, 4.256, 347.822

Inverse Universe

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



32, 57.386, 7.522



42, 70.071, 8.687



54, 31.908, 204.540



30, 4.007, 348.138



29, 54.111, 7.203



1, 4.256, 347.822

Previews

White Background



This preview shows how the CIELCh color 32, 57.389, 7.520 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, 57.389, 7.520 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, 57.389, 7.520

Background



This preview shows how black text looks on a background with the CIELCh color 32, 57.389, 7.520.



This preview shows how white text looks on a background with the CIELCh color 32, 57.389, 7.520.

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, 57.389, 7.520

Protanopia

33, 11.392, 284.245

Deuteranopia

33, 12.535, 68.134



Tritanopia
33, 60.304, 34.239

Trichromacy



Original Color
32, 57.389, 7.520

Protanomaly
29, 30.317, 339.252

Deuteranomaly
30, 31.108, 10.457

Tritanomaly
32, 57.838, 24.668

Monochromacy



Original Color
32, 57.389, 7.520

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 28.321, 354.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 57.389, 7.520 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(152, 0, 66)` looks like.

```
.text, #text, p{  
    color:rgb(152, 0, 66)  
}
```

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(152, 0, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 0, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 57.389, 7.520 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(152, 0, 66) }
```

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

```
.border{ border-color:rgb(152, 0, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 0, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 0, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 0, 66);  
box-shadow:4px 4px 4px 4px rgb(152, 0, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 57.389, 7.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 0, 66) }
```

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

```
.background{ background-color: rgb(152, 0,  
66) }
```

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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