

Converting Colors

CIELCh(22, 89.713, 356.711)

Have a look what the booklet for
CIELCh(22, 89.713, 356.711)
contains.

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Color

CIELCh(32, 58.050, 9.989)

Conversions

Conversions Part 1

Format	Color
Hex	99003E
RGB	153, 0, 62
RGB Percent	60%, 0%, 24%
CMY	0.3998, 1.0000, 0.7558
CMYK	0.00, 1.00, 0.59, 0.40
HSL	336°, 100%, 30%
HSV	336°, 100%, 60%
XYZ	14.0013, 7.0852, 5.2274
YIQ	52.8150, 71.2860, 51.7180

Conversions

Conversions Part 2

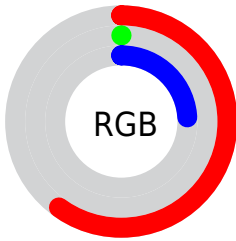
Format	Color
R_{YB}	153, 0, 62
Decimal	10027070
CIE _{Lab}	32.00, 57.17, 10.07
CIE _{LCh}	32, 58.050, 9.989
Yxy	7.0852, 0.5321, 0.2693
Android (android.graphics.Color)	4288217150 (0xFF99003E)
YUV	52.8150, 4.5282, 87.8622
Hunter-Lab	26.6180, 47.3113, 6.9889

Details

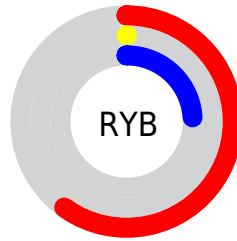
The CIELCh color **32, 58.050, 9.989** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **56, 54.561, 154.708**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 57.980, 10.261**, and **18, 43.467, 24.600** is the 20% darker color. If you saturate the color by 10%, you get **32, 57.799, 10.165**, and if you desaturate by 10%, it is **33, 55.595, 5.798**.

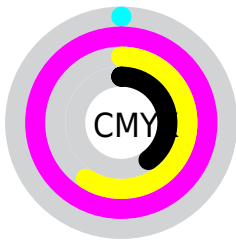
Distribution



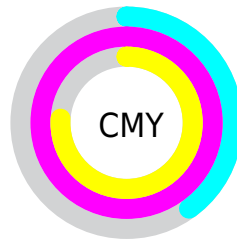
- Red (60%)
- Green (0%)
- Blue (24%)



- Red (60%)
- Yellow (0%)
- Blue (24%)



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



- Cyan (40%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 58.050, 9.989 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, 58.050, 9.989 by changing the saturation by 10% instead.

 32, 58.050, 9.989  32, 58.050, 9.989

 100, 58.050, 9.989  22, 58.050, 9.989

 52, 58.050, 9.989  12, 58.050, 9.989

 62, 58.050, 9.989  2, 58.050, 9.989

 72, 58.050, 9.989  0, 58.050, 9.989

 82, 58.050, 9.989

 92, 58.050, 9.989

 32, 58.050, 9.989  32, 58.050, 9.989

 32, 57.799, 10.165  33, 55.595, 5.798

 35, 52.474, 2.067

■ 37, 47.984,
359.110

■ 40, 42.309,
356.761

■ 43, 35.778,
354.865

■ 47, 28.732,
353.302

■ 50, 21.457,
351.982

■ 55, 14.162,
350.841

■ 59, 6.984, 349.823

Harmonies

Complementary

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



32, 58.050, 9.989



56, 54.561, 154.708

Rectangle

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



32, 58.050, 9.989



32, 58.050, 59.989



32, 58.050, 189.989



32, 58.050, 239.989

Sweetspot

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



32, 57.799, 10.165



64, 26.577, 352.055



25, 83.625, 314.119



31, 18.127, 352.543



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, 57.799, 10.165



42, 70.291, 11.287



32, 69.806, 40.782



30, 3.942, 349.746



29, 54.202, 9.733



1, 4.184, 349.404

Inverse Universe

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



32, 57.799, 10.165



42, 70.291, 11.287



53, 30.953, 210.665



30, 3.942, 349.746



29, 54.202, 9.733



1, 4.184, 349.404

Previews

White Background



This preview shows how the CIELCh color 32, 58.050, 9.989 looks on a white background.

Color Contrast Check

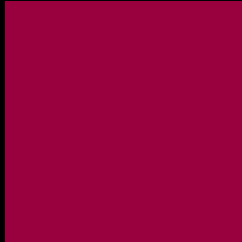
Large Text (above 18pt) WCAG AA ✓ Pass

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, 58.050, 9.989 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, 58.050, 9.989

Background



This preview shows how black text looks on a background with the CIELCh color 32, 58.050, 9.989.



This preview shows how white text looks on a background with the CIELCh color 32, 58.050, 9.989.

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, 57.799, 10.328

Protanopia

34, 8.182, 288.755

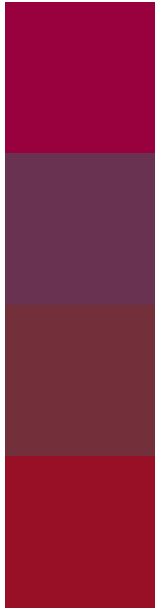
Deuteranopia

33, 15.209, 70.745



Tritanopia
33, 61.458, 34.964

Trichromacy



Original Color
32, 57.799, 10.328

Protanomaly
29, 29.750, 345.151

Deuteranomaly
30, 31.665, 15.371

Tritanomaly
32, 59.046, 26.372

Monochromacy



Original Color
32, 57.799, 10.328

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 27.942, 356.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 58.050, 9.989 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 58.050, 9.989 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, 62) }
```

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

```
.border{ border-color:rgb(153, 0, 62) }
```

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, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 58.050, 9.989 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, 62) }
```

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

```
.background{ background-color: rgb(153, 0,  
62) }
```

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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