

Converting Colors

CIELCh(32, 52.530, 13.252)

Have a look what the booklet for
CIELCh(32, 52.530, 13.252) contains.

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Color

CIELCh(32, 52.544, 13.401)

Conversions

Conversions Part 1

Format	Color
Hex	93173B
RGB	147, 23, 59
RGB Percent	58%, 9%, 23%
CMY	0.4247, 0.9113, 0.7695
CMYK	0.00, 0.85, 0.60, 0.42
HSL	343°, 73%, 33%
HSV	343°, 85%, 58%
XYZ	13.0598, 7.0852, 4.7855
YIQ	64.1800, 62.3480, 37.4840

Conversions

Conversions Part 2

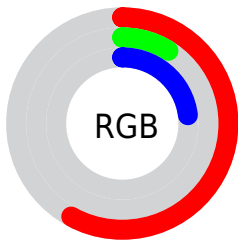
Format	Color
R_{YB}	147, 23, 59
Decimal	9639739
CIE _{Lab}	32.00, 51.11, 12.18
CIE _{LCh}	32, 52.544, 13.401
Yxy	7.0852, 0.5238, 0.2842
Android (android.graphics.Color)	4287829819 (0xFF93173B)
YUV	64.1800, -2.5537, 72.6331
Hunter-Lab	26.6180, 40.9977, 7.9731

Details

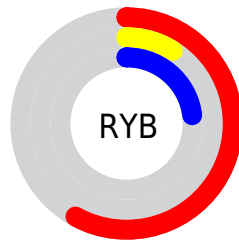
The CIELCh color **32, 52.544, 13.401** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **54, 42.143, 165.969**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 52.481, 13.254**, and **16, 41.700, 25.225** is the 20% darker color. If you saturate the color by 10%, you get **31, 56.076, 18.134**, and if you desaturate by 10%, it is **34, 48.029, 9.531**.

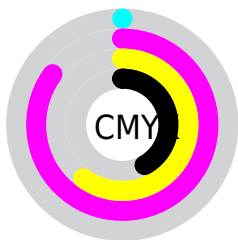
Distribution



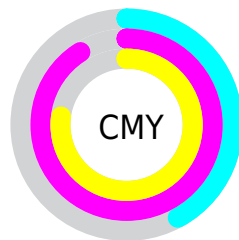
- Red (58%)
- Green (9%)
- Blue (23%)



- Red (58%)
- Yellow (9%)
- Blue (23%)



- Cyan (0%)
- Magenta (85%)
- Yellow (60%)
- Black (42%)



- Cyan (42%)
- Magenta (91%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 52.544, 13.401 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, 52.544, 13.401 by changing the saturation by 10% instead.

■ 32, 52.544, 13.401

■ 32, 52.544, 13.401

■ 100, 52.544,
13.401

■ 22, 52.544, 13.401

■ 52, 52.544, 13.401

■ 12, 52.544, 13.401

■ 62, 52.544, 13.401

■ 2, 52.544, 13.401

■ 72, 52.544, 13.401

■ 0, 52.544, 13.401

■ 82, 52.544, 13.401

■ 92, 52.544, 13.401

■ 32, 52.544, 13.401

■ 32, 52.544, 13.401

■ 31, 56.076, 18.134

■ 34, 48.029, 9.531

30, 57.956, 20.736

36, 42.554, 6.448

39, 36.339, 3.998

43, 29.674, 2.029

47, 22.826, 0.418

51, 15.996,
359.071

55, 9.319, 357.915

59, 2.873, 356.838

63, 3.306, 176.221

Harmonies

Complementary

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



32, 52.544, 13.401



54, 42.143, 165.969

Rectangle

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



32, 52.544, 13.401



32, 52.544, 63.401



32, 52.544, 193.401



32, 52.544, 243.401

Sweetspot

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



32, 52.541, 13.403



64, 20.222, 359.188



29, 73.436, 318.146



32, 13.975, 359.600



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



32, 52.541, 13.403



40, 70.985, 22.035



35, 55.083, 42.582



29, 3.594, 357.344



28, 55.246, 20.377



1, 3.087, 356.554

Inverse Universe

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



32, 52.541, 13.403



40, 70.985, 22.035



47, 27.662, 229.729



29, 3.594, 357.344



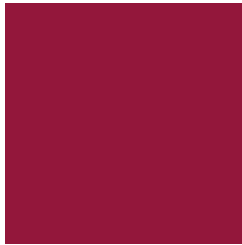
28, 55.246, 20.377



1, 3.087, 356.554

Previews

White Background



This preview shows how the CIELCh color 32, 52.544, 13.401 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, 52.544, 13.401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

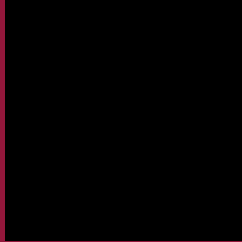
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 52.544, 13.401

Background



This preview shows how black text looks on a background with the CIELCh color 32, 52.544, 13.401.



This preview shows how white text looks on a background with the CIELCh color 32, 52.544, 13.401.

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, 52.544, 13.401

Protanopia

33, 3.787, 290.849

Deuteranopia

33, 16.003, 74.385



Tritanopia
32, 55.854, 32.749

Trichromacy



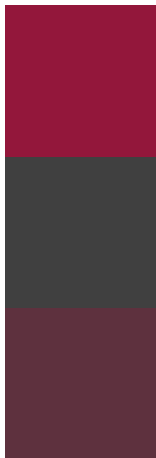
Original Color
32, 52.544, 13.401

Protanomaly
30, 22.431, 355.594

Deuteranomaly
31, 27.658, 24.776

Tritanomaly
32, 53.890, 26.189

Monochromacy



Original Color
32, 52.544, 13.401

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 22.100, 2.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 52.544, 13.401 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(147, 23, 59)` looks like.

```
.text, #text, p{  
    color:rgb(147, 23, 59)  
}
```

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(147, 23, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 23, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 52.544, 13.401 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(147, 23, 59) }
```

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

```
.border{ border-color:rgb(147, 23, 59) }
```

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

Here you see how a box with a 4 pixel rgb(147, 23, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 23, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 23, 59);  
box-shadow:4px 4px 4px 4px rgb(147, 23,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 52.544, 13.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 23, 59) }
```

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

```
.background{ background-color: rgb(147, 23,  
59) }
```

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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