

Converting Colors

CIELCh(32, 57.842, 2.403)

Have a look what the booklet for
CIELCh(32, 57.842, 2.403) contains.

CIELCh(32, 57.554, 2.520)	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, 57.554, 2.520)

Conversions

Conversions Part 1

Format	Color
Hex	97004A
RGB	151, 0, 74
RGB Percent	59%, 0%, 29%
CMY	0.4061, 1.0000, 0.7115
CMYK	0.00, 1.00, 0.51, 0.41
HSL	331°, 100%, 30%
HSV	331°, 100%, 59%
XYZ	14.0536, 7.0852, 7.0283
YIQ	53.5850, 66.2420, 55.0260

Conversions

Conversions Part 2

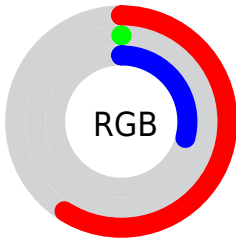
Format	Color
R_YB	151, 0, 74
Decimal	9896010
CIE Lab	32.00, 57.50, 2.53
CIE LCh	32, 57.554, 2.520
Yxy	7.0852, 0.4989, 0.2515
Android (android.graphics.Color)	4288086090 (0xFF97004A)
YUV	53.5850, 10.0646, 85.4330
Hunter-Lab	26.6180, 47.6620, 2.9775

Details

The CIELCh color **32, 57.554, 2.520** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **55, 59.007, 150.260**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 56.997, 2.465**, and **18, 40.772, 13.920** is the 20% darker color. If you saturate the color by 10%, you get **32, 57.392, 2.609**, and if you desaturate by 10%, it is **33, 55.791, 358.924**.

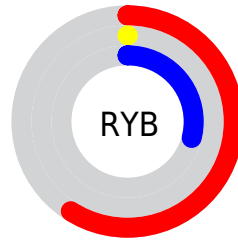
Distribution



Red (59%)

Green (0%)

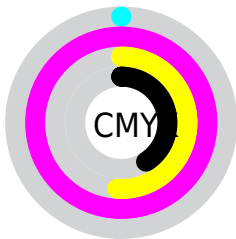
Blue (29%)



Red (59%)

Yellow (0%)

Blue (29%)

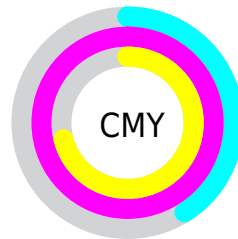


Cyan (0%)

Magenta (100%)

Yellow (51%)

Black (41%)



Cyan (41%)

Magenta (100%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 57.554, 2.520 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, 57.554, 2.520 by changing the saturation by 10% instead.

 32, 57.554, 2.520  32, 57.554, 2.520

 100, 57.554, 2.520  22, 57.554, 2.520


 52, 57.554, 2.520  12, 57.554, 2.520



 62, 57.554, 2.520  2, 57.554, 2.520

 72, 57.554, 2.520  0, 57.554, 2.520

 82, 57.554, 2.520

 92, 57.554, 2.520

 32, 57.554, 2.520  32, 57.554, 2.520

 32, 57.392, 2.609  33, 55.791,
358.924

■ 35, 53.091,
355.808

■ 37, 48.854,
353.335

■ 39, 43.301,
351.350

■ 43, 36.782,
349.723

■ 46, 29.656,
348.357

■ 50, 22.227,
347.181

■ 54, 14.718,
346.146

■ 58, 7.280, 345.208

Harmonies

Complementary

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



32, 57.554, 2.520



55, 59.007, 150.260

Rectangle

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



32, 57.554, 2.520



32, 57.554, 52.520



32, 57.554, 182.520



32, 57.554, 232.520

Sweetspot

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



32, 57.392, 2.609



64, 27.473, 347.247



23, 84.446, 312.073



32, 18.910, 347.687



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, 57.392, 2.609



42, 69.462, 3.566



31, 70.352, 39.478



30, 4.145, 345.137



29, 54.291, 2.284



1, 4.405, 344.871

Inverse Universe

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



32, 57.392, 2.609



42, 69.462, 3.566



57, 33.971, 196.386



30, 4.145, 345.137



29, 54.291, 2.284



1, 4.405, 344.871

Previews

White Background



This preview shows how the CIE LCh color 32, 57.554, 2.520 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, 57.554, 2.520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

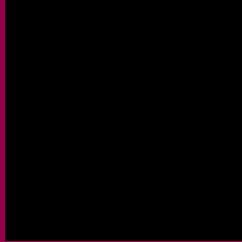
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 57.554, 2.520

Background



This preview shows how black text looks on a background with the CIELCh color 32, 57.554, 2.520.



This preview shows how white text looks on a background with the CIELCh color 32, 57.554, 2.520.

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, 57.306, 2.191

Protanopia

34, 17.744, 283.709

Deuteranopia

33, 8.645, 60.507



Tritanopia
33, 58.071, 33.415

Trichromacy



Original Color
32, 57.306, 2.191

Protanomaly
29, 33.644, 330.672

Deuteranomaly
29, 30.703, 1.499

Tritanomaly
32, 56.486, 22.275

Monochromacy



Original Color
32, 57.306, 2.191

Achromatopsia
23, 0.004, 296.813

Achromatomaly
22, 29.004, 350.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 57.554, 2.520 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(151, 0, 74)` looks like.

```
.text, #text, p{  
    color:rgb(151, 0, 74)  
}
```

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(151, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 0, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 57.554, 2.520 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(151, 0, 74) }
```

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

```
.border{ border-color:rgb(151, 0, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 0, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(151, 0, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 57.554, 2.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 0, 74) }
```

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

```
.background{ background-color: rgb(151, 0,  
74) }
```

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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