

Converting Colors

CIELCh(51, 32.939, 100.287)

Have a look what the booklet for
CIELCh(51, 32.939, 100.287)
contains.

CIELCh(51, 32.972, 100.251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(51, 32.972, 100.251)

Conversions

Conversions Part 1

Format	Color
Hex	827B41
RGB	130, 123, 65
RGB Percent	51%, 48%, 25%
CMY	0.4905, 0.5179, 0.7454
CMYK	0.00, 0.05, 0.50, 0.49
HSL	54°, 33%, 38%
HSV	54°, 50%, 51%
XYZ	17.2204, 19.2686, 7.8024
YIQ	118.4810, 22.7900, -16.5540

Conversions

Conversions Part 2

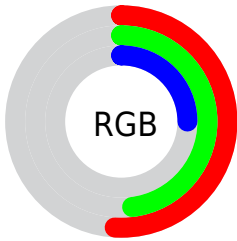
Format	Color
R_{YB}	73, 130, 65
Decimal	8551233
CIE Lab	51.00, -5.87, 32.45
CIE LCh	51, 32.972, 100.251
Yxy	19.2686, 0.3888, 0.4350
Android (android.graphics.Color)	4286741313 (0xFF827B41)
YUV	118.4810, -26.3661, 10.1022
Hunter-Lab	43.8960, -6.7924, 20.1886

Details

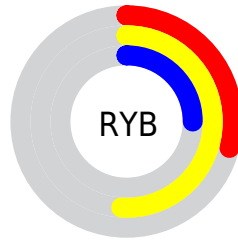
The CIELCh color **51, 32.972, 100.251** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **33, 36.542, 292.866**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 32.969, 100.240**, and **31, 33.316, 100.466** is the 20% darker color. If you saturate the color by 10%, you get **50, 39.005, 99.237**, and if you desaturate by 10%, it is **52, 26.601, 101.295**.

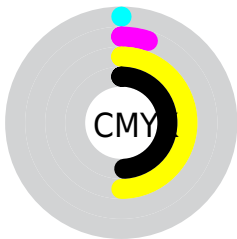
Distribution



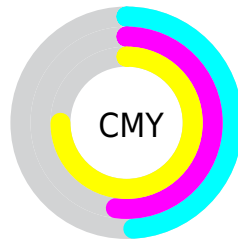
- Red (51%)
- Green (48%)
- Blue (25%)



- Red (29%)
- Yellow (51%)
- Blue (25%)



- Cyan (0%)
- Magenta (5%)
- Yellow (50%)
- Black (49%)





- Cyan (49%)
- Magenta (52%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 32.972, 100.251 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 51, 32.972, 100.251 by changing the saturation by 10% instead.


 51, 32.972,
100.251


 51, 32.972,
100.251


 100, 32.972,
100.251


 41, 32.972,
100.251


 71, 32.972,
100.251

 31, 32.972,
100.251

 81, 32.972,
100.251

 21, 32.972,
100.251

 91, 32.972,
100.251

 11, 32.972,
100.251

 1, 32.972, 100.251

 0, 32.972, 100.251

■ 51, 32.972,
100.251

■ 51, 32.972,
100.251

■ 50, 39.005, 99.237

■ 52, 26.601,
101.295

■ 50, 44.466, 98.259

■ 52, 20.041,
102.344

■ 49, 49.031, 97.335

■ 49, 52.315, 96.471

■ 53, 13.386,
103.388

■ 49, 54.610, 95.656

■ 54, 6.697, 104.412

■ 54, 0.008, 94.781

■ 55, 6.660, 286.421

■ 56, 13.293,
287.356

■ 57, 19.883,
288.257

■ 58, 26.424,
289.117

Harmonies

Complementary

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



51, 32.972, 100.251



33, 36.542, 292.866

Rectangle

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



51, 32.972, 100.251



51, 32.972, 150.251



51, 32.972, 280.251



51, 32.972, 330.251

Sweetspot

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



51, 32.973, 100.254



68, 12.392, 103.871



36, 29.894, 16.138



35, 8.415, 103.690



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



51, 32.973, 100.254



64, 48.056, 99.103



51, 38.003, 122.459



27, 3.708, 104.507



48, 53.880, 95.671



0, 0.000, 0.000

Inverse Universe

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



33, 36.542, 292.866



37, 55.318, 295.394



33, 41.663, 307.928



25, 3.768, 286.413



15, 74.419, 304.241



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 51, 32.972, 100.251 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 51, 32.972, 100.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

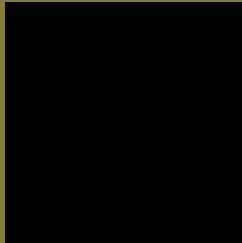
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

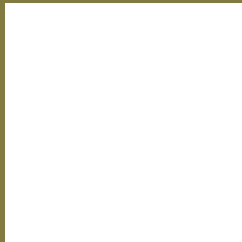
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 51, 32.972, 100.251

Background



This preview shows how black text looks on a background with the CIELCh color 51, 32.972, 100.251.



This preview shows how white text looks on a background with the CIELCh color 51, 32.972, 100.251.

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


51, 32.972, 100.251

Protanopia

51, 33.353, 96.232

Deuteranopia

51, 32.511, 77.951



Tritanopia
51, 9.636, 347.678

Trichromacy



Original Color
51, 32.972, 100.251

Protanomaly
51, 33.269, 97.023

Deuteranomaly
51, 32.294, 86.712

Tritanomaly
51, 11.341, 74.333

Monochromacy



Original Color
51, 32.972, 100.251

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 12.222, 104.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 32.972, 100.251 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(130, 123, 65)` looks like.

```
.text, #text, p{  
    color:rgb(130, 123, 65)  
}
```

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(130, 123, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 123, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 32.972, 100.251 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(130, 123, 65) }
```

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

```
.border{ border-color:rgb(130, 123, 65) }
```

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

Here you see how a box with a 4 pixel rgb(130, 123, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 123, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 123, 65);  
box-shadow:4px 4px 4px 4px rgb(130, 123,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 32.972, 100.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 123, 65) }
```

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

```
.background{ background-color: rgb(130,  
123, 65) }
```

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