

Converting Colors

CIELCh(53, 49.911, 87.192)

Have a look what the booklet for
CIELCh(53, 49.911, 87.192) contains.

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Color

CIELCh(53, 49.911, 87.192)

Conversions

Conversions Part 1

Format	Color
Hex	997B22
RGB	153, 123, 34
RGB Percent	60%, 48%, 13%
CMY	0.4001, 0.5177, 0.8667
CMYK	0.00, 0.20, 0.78, 0.40
HSL	45°, 64%, 37%
HSV	45°, 78%, 60%
XYZ	20.5012, 21.0462, 4.4934
YIQ	121.8240, 46.4490, -21.3190

Conversions

Conversions Part 2

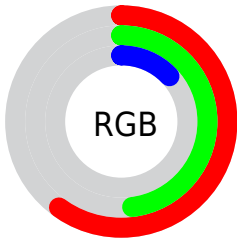
Format	Color
RYB	74, 153, 34
Decimal	10058530
CIELab	53.00, 2.45, 49.85
CIELCh	53, 49.911, 87.192
Yxy	21.0462, 0.4453, 0.4571
Android (android.graphics.Color)	4288248610 (0xFF997B22)
YUV	121.8240, -43.2972, 27.3414
Hunter-Lab	45.8761, -0.5148, 26.3060

Details

The CIELCh color **53, 49.911, 87.192** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **30, 56.444, 293.272**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 49.764, 86.830**, and **33, 42.026, 86.036** is the 20% darker color. If you saturate the color by 10%, you get **52, 54.070, 85.652**, and if you desaturate by 10%, it is **54, 44.512, 88.611**.

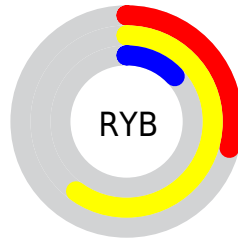
Distribution



Red (60%)

Green (48%)

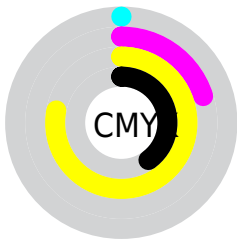
Blue (13%)



Red (29%)

Yellow (60%)

Blue (13%)

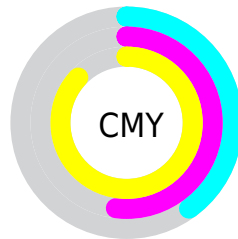


Cyan (0%)

Magenta (20%)

Yellow (78%)

Black (40%)



Cyan (40%)

Magenta (52%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 49.911, 87.192 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 53, 49.911, 87.192 by changing the saturation by 10% instead.

■ 53, 49.911, 87.192

■ 53, 49.911, 87.192

■ 100, 49.911,
87.192

■ 43, 49.911, 87.192

■ 73, 49.911, 87.192

■ 33, 49.911, 87.192

■ 83, 49.911, 87.192

■ 23, 49.911, 87.192

■ 93, 49.911, 87.192

■ 13, 49.911, 87.192

■ 3, 49.911, 87.192

■ 0, 49.911, 87.192

■ 53, 49.911, 87.192

■ 53, 49.911, 87.192

■ 52, 54.070, 85.652

■ 54, 44.512, 88.611

■ 51, 56.705, 83.931

■ 55, 38.378, 89.959

51, 57.278, 83.560

57, 31.861, 91.267

58, 25.176, 92.545

59, 18.448, 93.793

61, 11.747, 95.007

62, 5.108, 96.172

64, 1.451, 277.450

65, 7.924, 278.460

Harmonies

Complementary

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



53, 49.911, 87.192



30, 56.444, 293.272

Rectangle

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



53, 49.911, 87.192



53, 49.911, 137.192



53, 49.911, 267.192



53, 49.911, 317.192

Sweetspot

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



53, 49.911, 87.195



76, 18.872, 94.324



35, 51.410, 12.815



39, 13.050, 93.916



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



53, 49.911, 87.195



66, 67.969, 84.436



59, 60.680, 115.389



32, 3.712, 96.009



47, 53.791, 83.731



3, 3.949, 96.237

Inverse Universe

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



30, 56.444, 293.272



33, 85.142, 298.643



25, 74.684, 306.524



30, 3.739, 278.234



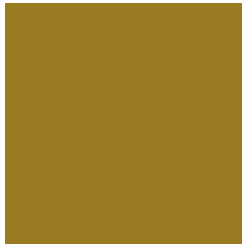
21, 68.992, 299.827



1, 4.022, 277.379

Previews

White Background



This preview shows how the CIELCh color 53, 49.911, 87.192 looks on a white background.

Color Contrast Check

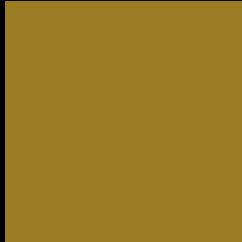
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 53, 49.911, 87.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

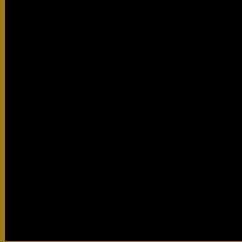
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 49.911, 87.192

Background



This preview shows how black text looks on a background with the CIELCh color 53, 49.911, 87.192.



This preview shows how white text looks on a background with the CIELCh color 53, 49.911, 87.192.

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

53, 49.911, 87.192

Protanopia

53, 49.307, 95.629

Deuteranopia

53, 50.045, 82.022



Tritanopia
53, 18.812, 5.842

Trichromacy



Original Color
53, 49.911, 87.192

Protanomaly
53, 49.374, 92.821

Deuteranomaly
53, 49.823, 83.706

Tritanomaly
53, 23.822, 60.800

Monochromacy



Original Color
53, 49.911, 87.192

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 19.110, 93.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 49.911, 87.192 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, 123, 34)` looks like.

```
.text, #text, p{  
    color:rgb(153, 123, 34)  
}
```

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, 123, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 123, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 49.911, 87.192 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, 123, 34) }
```

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

```
.border{ border-color:rgb(153, 123, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 123, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 123, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 123, 34);  
box-shadow:4px 4px 4px 4px rgb(153, 123,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 49.911, 87.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 123, 34) }
```

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

```
.background{ background-color: rgb(153,  
123, 34) }
```

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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