

Converting Colors

CIELCh(64, 52.873, 93.360)

Have a look what the booklet for
CIELCh(64, 52.873, 93.360) contains.

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Color

CIELCh(64, 52.998, 92.963)

Conversions

Conversions Part 1

Format	Color
Hex	B19A37
RGB	177, 154, 55
RGB Percent	69%, 60%, 22%
CMY	0.3053, 0.3955, 0.7837
CMYK	0.00, 0.13, 0.69, 0.31
HSL	49°, 53%, 46%
HSV	49°, 69%, 69%
XYZ	30.4398, 32.8017, 8.3596
YIQ	149.5910, 45.4870, -25.9130

Conversions

Conversions Part 2

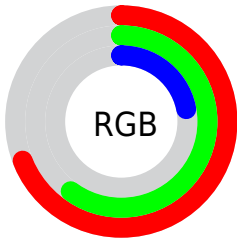
Format	Color
RYB	83, 177, 55
Decimal	11639351
CIELab	64.00, -2.74, 52.93
CIELCh	64, 52.998, 92.963
Yxy	32.8017, 0.4251, 0.4581
Android (android.graphics.Color)	4289829431 (0xFFB19A37)
YUV	149.5910, -46.6334, 24.0377
Hunter-Lab	57.2727, -5.3565, 31.4369

Details

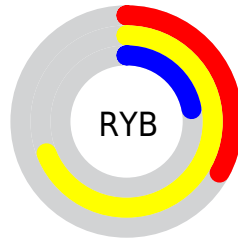
The CIELCh color **64, 52.998, 92.963** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **37, 60.720, 294.123**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 53.006, 93.098**, and **44, 50.675, 92.614** is the 20% darker color. If you saturate the color by 10%, you get **63, 58.764, 91.727**, and if you desaturate by 10%, it is **65, 46.159, 94.186**.

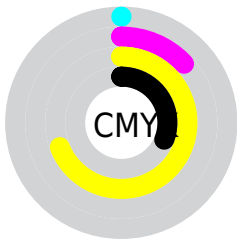
Distribution



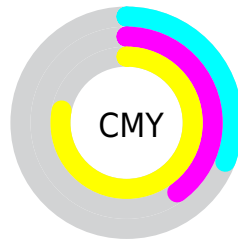
- Red (69%)
- Green (60%)
- Blue (22%)



- Red (33%)
- Yellow (69%)
- Blue (22%)



- Cyan (0%)
- Magenta (13%)
- Yellow (69%)
- Black (31%)



- Cyan (31%)
- Magenta (40%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 52.998, 92.963 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 64, 52.998, 92.963 by changing the saturation by 10% instead.

64, 52.998, 92.963

64, 52.998, 92.963

100, 52.998,
92.963

54, 52.998, 92.963

84, 52.998, 92.963

44, 52.998, 92.963

94, 52.998, 92.963

34, 52.998, 92.963

24, 52.998, 92.963

14, 52.998, 92.963

4, 52.998, 92.963

0, 52.998, 92.963

64, 52.998, 92.963

64, 52.998, 92.963

63, 58.764, 91.727

65, 46.159, 94.186

62, 62.883, 90.437

66, 38.695, 95.398

61, 65.145, 89.061

67, 30.904, 96.601

61, 65.381, 88.907

69, 22.964, 97.788

70, 14.981, 98.953

71, 7.016, 100.081

72, 0.899, 281.357

74, 8.747, 282.282

75, 16.519,
283.294

Harmonies

Complementary

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



64, 52.998, 92.963



37, 60.720, 294.123

Rectangle

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



64, 52.998, 92.963



64, 52.998, 142.963



64, 52.998, 272.963



64, 52.998, 322.963

Sweetspot

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



64, 52.998, 92.966



88, 20.591, 98.666



42, 52.767, 15.239



46, 13.930, 98.354



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 52.998, 92.966



79, 74.379, 91.021



68, 63.314, 118.434



37, 4.508, 100.031



53, 58.744, 89.091



7, 10.023, 96.032

Inverse Universe

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



37, 60.720, 294.123



40, 92.238, 298.631



34, 74.550, 307.238



35, 4.562, 282.188



21, 79.906, 302.430



2, 11.438, 283.484

Previews

White Background



This preview shows how the CIELCh color 64, 52.998, 92.963 looks on a white 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

Black Background



This preview shows how the CIE LCh color 64, 52.998, 92.963 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 ✓ Pass

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

CIELCh 64, 52.998, 92.963

Background



This preview shows how black text looks on a background with the CIELCh color 64, 52.998, 92.963.



This preview shows how white text looks on a background with the CIELCh color 64, 52.998, 92.963.

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

64, 52.998, 92.963

Protanopia

64, 52.518, 95.451

Deuteranopia

64, 53.237, 80.622



Tritanopia
64, 17.204, 0.472

Trichromacy



Original Color
64, 52.998, 92.963

Protanomaly
64, 52.693, 94.468

Deuteranomaly
64, 53.071, 85.302

Tritanomaly
64, 21.886, 66.992

Monochromacy



Original Color
64, 52.998, 92.963

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 20.259, 98.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 52.998, 92.963 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(177, 154, 55)` looks like.

```
.text, #text, p{  
    color:rgb(177, 154, 55)  
}
```

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(177, 154, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 154, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 52.998, 92.963 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(177, 154, 55) }
```

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

```
.border{ border-color:rgb(177, 154, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 154, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 154, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 154, 55);  
box-shadow:4px 4px 4px 4px rgb(177, 154,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 52.998, 92.963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 154, 55) }
```

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

```
.background{ background-color: rgb(177,  
154, 55) }
```

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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