

Converting Colors

CIELCh(63, 53.688, 95.909)

Have a look what the booklet for
CIELCh(63, 53.688, 95.909) contains.

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Color

CIELCh(63, 53.688, 95.909)

Conversions

Conversions Part 1

Format	Color
Hex	AA9933
RGB	170, 153, 51
RGB Percent	67%, 60%, 20%
CMY	0.3332, 0.3998, 0.7998
CMYK	0.00, 0.10, 0.70, 0.33
HSL	51°, 54%, 43%
HSV	51°, 70%, 67%
XYZ	28.5841, 31.5869, 7.7273
YIQ	146.4550, 42.8740, -28.1180

Conversions

Conversions Part 2

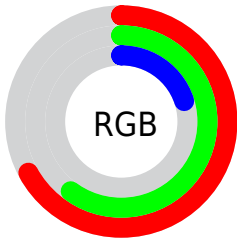
Format	Color
RYB	71, 170, 51
Decimal	11180339
CIELab	63.00, -5.53, 53.40
CIELCh	63, 53.688, 95.909
Yxy	31.5869, 0.4210, 0.4652
Android (android.graphics.Color)	4289370419 (0xFFAA9933)
YUV	146.4550, -47.0593, 20.6490
Hunter-Lab	56.2022, -7.5700, 31.1898

Details

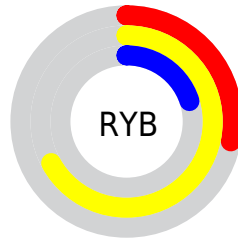
The CIELCh color **63, 53.688, 95.909** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **33, 63.392, 296.458**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 53.865, 95.896**, and **43, 49.837, 95.931** is the 20% darker color. If you saturate the color by 10%, you get **62, 59.125, 94.844**, and if you desaturate by 10%, it is **64, 47.088, 97.004**.

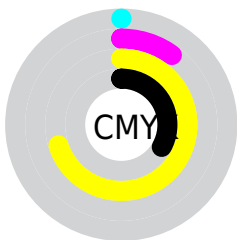
Distribution



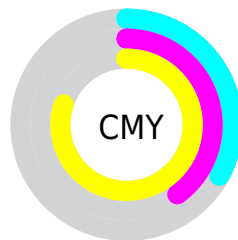
- Red (67%)
- Green (60%)
- Blue (20%)



- Red (28%)
- Yellow (67%)
- Blue (20%)



- Cyan (0%)
- Magenta (10%)
- Yellow (70%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 53.688, 95.909 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 63, 53.688, 95.909 by changing the saturation by 10% instead.

63, 53.688, 95.909

63, 53.688, 95.909

100, 53.688,
95.909

53, 53.688, 95.909

83, 53.688, 95.909

43, 53.688, 95.909

93, 53.688, 95.909

33, 53.688, 95.909

23, 53.688, 95.909

13, 53.688, 95.909

3, 53.688, 95.909

0, 53.688, 95.909

63, 53.688, 95.909

63, 53.688, 95.909

62, 59.125, 94.844

64, 47.088, 97.004

62, 62.873, 93.790

65, 39.769, 98.117

61, 64.981, 92.733

66, 32.041, 99.240

61, 64.984, 92.731

67, 24.101,
100.363

68, 16.068,
101.473

69, 8.012, 102.558

70, 0.024, 288.341

71, 8.017, 284.675

72, 15.954,
285.656

Harmonies

Complementary

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



63, 53.688, 95.909



33, 63.392, 296.458

Rectangle

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



63, 53.688, 95.909



63, 53.688, 145.909



63, 53.688, 275.909



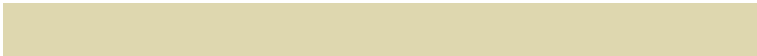
63, 53.688, 325.909

Sweetspot

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



63, 53.688, 95.912



86, 20.968, 101.319



40, 52.444, 19.428



45, 14.307, 101.023



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 53.688, 95.912



79, 74.924, 94.260



65, 62.768, 120.556



35, 4.504, 102.632



53, 58.705, 92.860



5, 7.814, 100.921

Inverse Universe

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



33, 63.392, 296.458



36, 96.053, 300.649



33, 73.050, 308.502



33, 4.571, 284.688



19, 81.311, 303.686



1, 8.412, 284.667

Previews

White Background



This preview shows how the CIELCh color 63, 53.688, 95.909 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 63, 53.688, 95.909 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 63, 53.688, 95.909

Background



This preview shows how black text looks on a background with the CIELCh color 63, 53.688, 95.909.



This preview shows how white text looks on a background with the CIELCh color 63, 53.688, 95.909.

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

63, 53.688, 95.909

Protanopia

63, 53.768, 95.424

Deuteranopia

63, 53.283, 81.522



Tritanopia
63, 15.012, 356.923

Trichromacy



Original Color
63, 53.688, 95.909

Protanomaly
63, 53.768, 95.424

Deuteranomaly
63, 53.015, 86.683

Tritanomaly
63, 20.691, 73.118

Monochromacy



Original Color
63, 53.688, 95.909

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 20.751, 100.820

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 53.688, 95.909 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(170, 153, 51)` looks like.

```
.text, #text, p{  
    color:rgb(170, 153, 51)  
}
```

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(170, 153, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 153, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 53.688, 95.909 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(170, 153, 51) }
```

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

```
.border{ border-color:rgb(170, 153, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 153, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 153, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 153, 51);  
box-shadow:4px 4px 4px 4px rgb(170, 153,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 53.688, 95.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 153, 51) }
```

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

```
.background{ background-color: rgb(170,  
153, 51) }
```

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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