

Converting Colors

CIELCh(55, 44.113, 92.883)

Have a look what the booklet for
CIELCh(55, 44.113, 92.883) contains.

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Color

CIELCh(55, 44.144, 93.142)

Conversions

Conversions Part 1

Format	Color
Hex	968334
RGB	150, 131, 52
RGB Percent	59%, 51%, 20%
CMY	0.4122, 0.4866, 0.7964
CMYK	0.00, 0.13, 0.65, 0.41
HSL	48°, 49%, 40%
HSV	48°, 65%, 59%
XYZ	21.2813, 22.9298, 6.5427
YIQ	127.6750, 36.6830, -20.5410

Conversions

Conversions Part 2

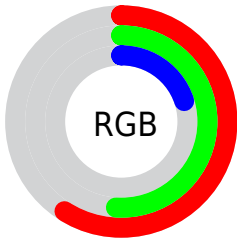
Format	Color
R_{YB}	76, 150, 52
Decimal	9863988
CIE _{Lab}	55.00, -2.42, 44.08
CIE _{LCh}	55, 44.144, 93.142
Yxy	22.9298, 0.4193, 0.4518
Android (android.graphics.Color)	4288054068 (0xFF968334)
YUV	127.6750, -37.3078, 19.5790
Hunter-Lab	47.8851, -4.4693, 25.4186

Details

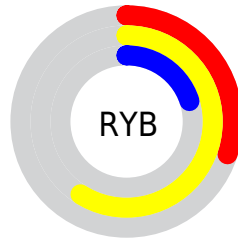
The CIELCh color **55, 44.144, 93.142** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **33, 49.576, 292.651**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 44.382, 93.072**, and **35, 43.181, 93.137** is the 20% darker color. If you saturate the color by 10%, you get **54, 49.648, 91.917**, and if you desaturate by 10%, it is **56, 37.911, 94.357**.

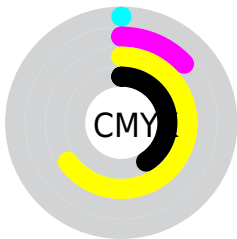
Distribution



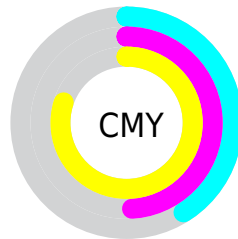
- Red (59%)
- Green (51%)
- Blue (20%)



- Red (30%)
- Yellow (59%)
- Blue (20%)



- Cyan (0%)
- Magenta (13%)
- Yellow (65%)
- Black (41%)



- Cyan (41%)
- Magenta (49%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 44.144, 93.142 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 55, 44.144, 93.142 by changing the saturation by 10% instead.

 55, 44.144, 93.142

 55, 44.144, 93.142

 100, 44.144,
93.142

 45, 44.144, 93.142

 75, 44.144, 93.142

 35, 44.144, 93.142

 85, 44.144, 93.142

 25, 44.144, 93.142

 95, 44.144, 93.142

 15, 44.144, 93.142

 5, 44.144, 93.142

 0, 44.144, 93.142

 55, 44.144, 93.142

 55, 44.144, 93.142

 54, 49.648, 91.917

 56, 37.911, 94.357

 53, 53.971, 90.651

 57, 31.272, 95.559

52, 56.675, 89.303

58, 24.430, 96.748

52, 57.739, 88.681

59, 17.508, 97.919

60, 10.577, 99.062

61, 3.676, 100.156

63, 3.173, 281.309

64, 9.958, 282.321

65, 16.675,
283.311

Harmonies

Complementary

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



55, 44.144, 93.142



33, 49.576, 292.651

Rectangle

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



55, 44.144, 93.142



55, 44.144, 143.142



55, 44.144, 273.142



55, 44.144, 323.142

Sweetspot

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



55, 44.144, 93.145



75, 16.999, 98.491



37, 43.881, 13.835



39, 11.571, 98.201



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



55, 44.144, 93.145



68, 62.417, 91.395



58, 53.122, 118.506



31, 3.835, 99.747



48, 54.311, 88.804



2, 3.353, 100.771

Inverse Universe

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



33, 49.576, 292.651



36, 74.553, 296.668



30, 61.740, 306.867



29, 3.880, 281.855



18, 72.978, 302.010



1, 3.354, 280.775

Previews

White Background



This preview shows how the CIELCh color 55, 44.144, 93.142 looks on a white background.

Color Contrast Check

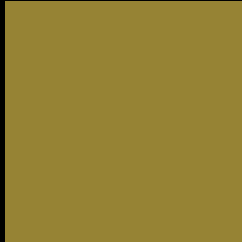
Large Text (above 18pt) WCAG AA ✓ Pass

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 55, 44.144, 93.142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

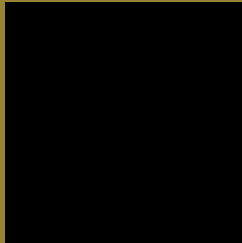
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 55, 44.144, 93.142

Background



This preview shows how black text looks on a background with the CIELCh color 55, 44.144, 93.142.



This preview shows how white text looks on a background with the CIELCh color 55, 44.144, 93.142.

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

55, 44.144, 93.142

Protanopia

55, 44.194, 95.624

Deuteranopia

55, 44.024, 80.328



Tritanopia
55, 14.664, 0.635

Trichromacy



Original Color
55, 44.144, 93.142

Protanomaly
55, 44.283, 95.025

Deuteranomaly
55, 43.877, 84.828

Tritanomaly
55, 18.125, 66.210

Monochromacy



Original Color
55, 44.144, 93.142

Achromatopsia
54, 0.007, 296.813

Achromatomaly
54, 16.863, 97.776

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 44.144, 93.142 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(150, 131, 52)` looks like.

```
.text, #text, p{  
    color:rgb(150, 131, 52)  
}
```

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(150, 131, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 131, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 44.144, 93.142 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(150, 131, 52) }
```

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

```
.border{ border-color:rgb(150, 131, 52) }
```

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

Here you see how a box with a 4 pixel rgb(150, 131, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 131, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 131, 52);  
box-shadow:4px 4px 4px 4px rgb(150, 131,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 44.144, 93.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 131, 52) }
```

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

```
.background{ background-color: rgb(150,  
131, 52) }
```

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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