

Converting Colors

CIELCh(55, 52.785, 91.512)

Have a look what the booklet for
CIELCh(55, 52.785, 91.512) contains.

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Color

CIELCh(55, 52.843, 91.232)

Conversions

Conversions Part 1

Format	Color
Hex	9A821F
RGB	154, 130, 31
RGB Percent	60%, 51%, 12%
CMY	0.3961, 0.4902, 0.8785
CMYK	0.00, 0.16, 0.80, 0.40
HSL	48°, 66%, 36%
HSV	48°, 80%, 60%
XYZ	21.5523, 22.9298, 4.5854
YIQ	125.8900, 46.0830, -25.7010

Conversions

Conversions Part 2

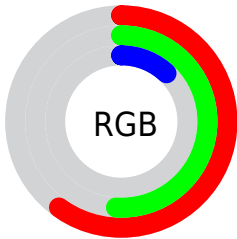
Format	Color
RYB	61, 154, 31
Decimal	10125855
CIELab	55.00, -1.14, 52.83
CIELCh	55, 52.843, 91.232
Yxy	22.9298, 0.4392, 0.4673
Android (android.graphics.Color)	4288315935 (0xFF9A821F)
YUV	125.8900, -46.7808, 24.6525
Hunter-Lab	47.8851, -3.4591, 27.8420

Details

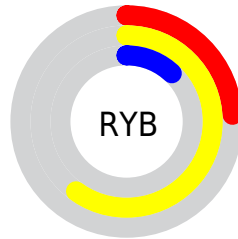
The CIELCh color **55, 52.843, 91.232** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **28, 63.228, 296.759**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 53.082, 91.281**, and **35, 43.293, 90.319** is the 20% darker color. If you saturate the color by 10%, you get **54, 56.518, 89.926**, and if you desaturate by 10%, it is **56, 47.716, 92.484**.

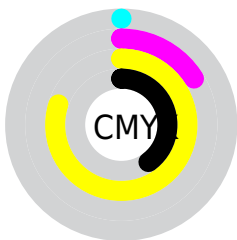
Distribution



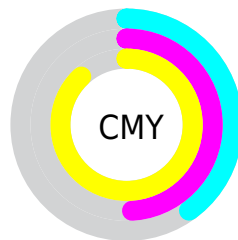
- Red (60%)
- Green (51%)
- Blue (12%)



- Red (24%)
- Yellow (60%)
- Blue (12%)



- Cyan (0%)
- Magenta (16%)
- Yellow (80%)
- Black (40%)



- Cyan (40%)
- Magenta (49%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 55, 52.843, 91.232 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, 52.843, 91.232 by changing the saturation by 10% instead.

 55, 52.843, 91.232

 55, 52.843, 91.232

 100, 52.843,
91.232

 45, 52.843, 91.232

 75, 52.843, 91.232

 35, 52.843, 91.232

 85, 52.843, 91.232

 25, 52.843, 91.232

 95, 52.843, 91.232

 15, 52.843, 91.232

 5, 52.843, 91.232

 0, 52.843, 91.232

 55, 52.843, 91.232

 55, 52.843, 91.232

 54, 56.518, 89.926

 56, 47.716, 92.484

 53, 58.810, 88.549

 57, 41.643, 93.708

53, 58.840, 88.533

58, 35.020, 94.919

59, 28.107, 96.120

60, 21.064, 97.305

61, 13.985, 98.466

62, 6.922, 99.592

64, 0.096, 282.041

65, 7.052, 281.790

Harmonies

Complementary

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



55, 52.843, 91.232



28, 63.228, 296.759

Rectangle

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



55, 52.843, 91.232



55, 52.843, 141.232



55, 52.843, 271.232



55, 52.843, 321.232

Sweetspot

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



55, 52.843, 91.235



78, 21.045, 97.934



34, 53.616, 19.082



41, 14.582, 97.546



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



55, 52.843, 91.235



69, 70.936, 88.788



59, 62.960, 118.484



32, 3.940, 99.663



49, 54.999, 88.667



3, 4.195, 99.880

Inverse Universe

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



28, 63.228, 296.759



30, 95.413, 301.809



25, 76.376, 307.963



30, 3.985, 281.784



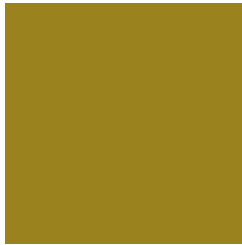
19, 73.962, 302.012



1, 4.273, 280.891

Previews

White Background



This preview shows how the CIELCh color 55, 52.843, 91.232 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 55, 52.843, 91.232 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, 52.843, 91.232

Background



This preview shows how black text looks on a background with the CIELCh color 55, 52.843, 91.232.



This preview shows how white text looks on a background with the CIELCh color 55, 52.843, 91.232.

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, 52.843, 91.232

Protanopia

55, 52.469, 95.434

Deuteranopia

55, 53.042, 82.146



Tritanopia
55, 17.189, 2.105

Trichromacy



Original Color
55, 52.843, 91.232

Protanomaly
55, 52.344, 93.829

Deuteranomaly
55, 52.990, 85.391

Tritanomaly
55, 22.761, 66.438

Monochromacy



Original Color
55, 52.843, 91.232

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 20.984, 96.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 52.843, 91.232 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(154, 130, 31)` looks like.

```
.text, #text, p{  
    color:rgb(154, 130, 31)  
}
```

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(154, 130, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 130, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 52.843, 91.232 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(154, 130, 31) }
```

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

```
.border{ border-color:rgb(154, 130, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 130, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 130, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 130, 31);  
box-shadow:4px 4px 4px 4px rgb(154, 130,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 55, 52.843, 91.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 130, 31) }
```

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

```
.background{ background-color: rgb(154,  
130, 31) }
```

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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