

Converting Colors

CIELCh(64, 56.360, 105.654)

Have a look what the booklet for
CIELCh(64, 56.360, 105.654)
contains.

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Color

CIELCh(64, 56.697, 105.902)

Conversions

Conversions Part 1

Format	Color
Hex	9DA132
RGB	157, 161, 50
RGB Percent	62%, 63%, 20%
CMY	0.3851, 0.3693, 0.8047
CMYK	0.02, 0.00, 0.69, 0.37
HSL	62°, 53%, 41%
HSV	62°, 69%, 63%
XYZ	27.1504, 32.8017, 7.8964
YIQ	147.1500, 33.2470, -35.3690

Conversions

Conversions Part 2

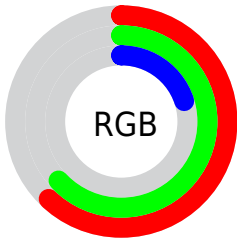
Format	Color
RYB	50, 161, 54
Decimal	10330418
CIELab	64.00, -15.53, 54.53
CIELCh	64, 56.697, 105.902
Yxy	32.8017, 0.4002, 0.4835
Android (android.graphics.Color)	4288520498 (0xFF9DA132)
YUV	147.1500, -47.8949, 8.6385
Hunter-Lab	57.2727, -15.6086, 31.9164

Details

The CIELCh color **64, 56.697, 105.902** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **28, 70.007, 301.898**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 56.907, 106.085**, and **44, 52.348, 107.120** is the 20% darker color. If you saturate the color by 10%, you get **64, 62.245, 105.423**, and if you desaturate by 10%, it is **64, 49.914, 106.547**.

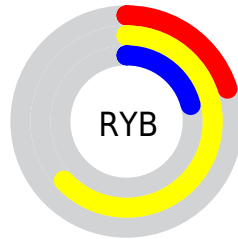
Distribution



Red (62%)

Green (63%)

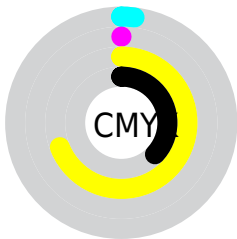
Blue (20%)



Red (20%)

Yellow (63%)

Blue (21%)

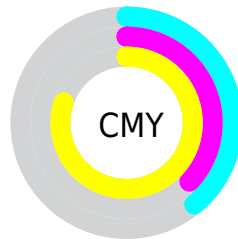


Cyan (2%)

Magenta (0%)

Yellow (69%)

Black (37%)



Cyan (39%)


Magenta (37%)


Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 56.697, 105.902 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, 56.697, 105.902 by changing the saturation by 10% instead.

 64, 56.697,
105.902

 64, 56.697,
105.902


 100, 56.697,
105.902


 54, 56.697,
105.902


 84, 56.697,
105.902

 44, 56.697,
105.902

 94, 56.697,
105.902

 34, 56.697,
105.902

 24, 56.697,
105.902

 14, 56.697,
105.902

 4, 56.697, 105.902

 0, 56.697, 105.902

■ 64, 56.697,
105.902

■ 64, 56.697,
105.902

■ 64, 62.245,
105.423

■ 64, 49.914,
106.547

■ 64, 66.164,
105.149

■ 64, 42.280,
107.304

■ 64, 68.511,
105.071

■ 65, 34.097,
108.136

■ 64, 68.725,
105.065

■ 65, 25.574,
109.012

■ 65, 16.849,
109.905

■ 66, 8.013, 110.798

■ 66, 0.875, 291.736

■ 67, 9.776, 292.552

■ 67, 18.663,
293.381

Harmonies

Complementary

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



64, 56.697, 105.902



28, 70.007, 301.898

Rectangle

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



64, 56.697, 105.902



64, 56.697, 155.902



64, 56.697, 285.902



64, 56.697, 335.902

Sweetspot

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



64, 56.697, 105.904



83, 23.008, 109.693



39, 51.612, 31.285



43, 15.522, 109.463



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



64, 56.697, 105.904



81, 78.561, 105.244



60, 62.427, 127.454



34, 5.083, 110.776



58, 63.816, 105.046



5, 7.953, 112.062

Inverse Universe

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



28, 70.007, 301.898



30, 103.484, 304.691



34, 68.470, 313.310



32, 5.192, 292.482



16, 87.820, 306.430



0, 7.951, 291.467

Previews

White Background



This preview shows how the CIELCh color 64, 56.697, 105.902 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, 56.697, 105.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

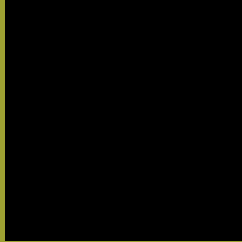
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 56.697, 105.902

Background



This preview shows how black text looks on a background with the CIELCh color 64, 56.697, 105.902.



This preview shows how white text looks on a background with the CIELCh color 64, 56.697, 105.902.

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, 56.697, 105.902

Protanopia

64, 55.841, 95.115

Deuteranopia

64, 54.061, 80.877



Tritanopia
64, 9.359, 334.698

Trichromacy



Original Color
64, 56.697, 105.902

Protanomaly
64, 55.724, 98.938

Deuteranomaly
64, 53.598, 90.469

Tritanomaly
64, 18.668, 96.556

Monochromacy



Original Color
64, 56.697, 105.902

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 22.176, 108.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 56.697, 105.902 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(157, 161, 50)` looks like.

```
.text, #text, p{  
    color:rgb(157, 161, 50)  
}
```

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(157, 161, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 161, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 56.697, 105.902 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(157, 161, 50) }
```

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

```
.border{ border-color:rgb(157, 161, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 161, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 161, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 161, 50);  
box-shadow:4px 4px 4px 4px rgb(157, 161,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 56.697, 105.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 161, 50) }
```

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

```
.background{ background-color: rgb(157,  
161, 50) }
```

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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