

Converting Colors

CIELCh(56, 37.871, 107.165)

Have a look what the booklet for
CIELCh(56, 37.871, 107.165)
contains.

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Color

CIELCh(56, 37.518, 107.021)

Conversions

Conversions Part 1

Format	Color
Hex	888A46
RGB	136, 138, 70
RGB Percent	53%, 54%, 27%
CMY	0.4660, 0.4582, 0.7249
CMYK	0.01, 0.00, 0.49, 0.46
HSL	62°, 33%, 41%
HSV	62°, 49%, 54%
XYZ	20.3995, 23.9124, 9.3586
YIQ	129.6500, 20.6360, -21.5720

Conversions

Conversions Part 2

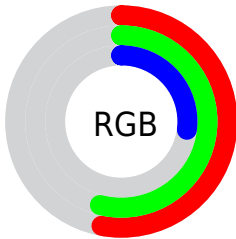
Format	Color
R_{YB}	70, 138, 72
Decimal	8948294
CIE _{Lab}	56.00, -10.98, 35.87
CIE _{LCh}	56, 37.518, 107.021
Yxy	23.9124, 0.3801, 0.4455
Android (android.graphics.Color)	4287138374 (0xFF888A46)
YUV	129.6500, -29.4075, 5.5689
Hunter-Lab	48.9003, -11.1115, 22.8832

Details

The CIELCh color **56, 37.518, 107.021** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **33, 42.714, 297.767**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 37.400, 106.625**, and **36, 37.407, 107.065** is the 20% darker color. If you saturate the color by 10%, you get **56, 44.290, 106.260**, and if you desaturate by 10%, it is **56, 30.278, 107.857**.

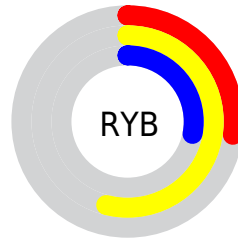
Distribution



Red (53%)

Green (54%)

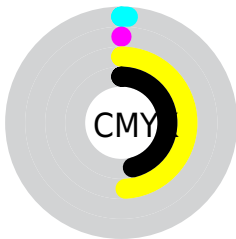
Blue (27%)



Red (27%)

Yellow (54%)

Blue (28%)

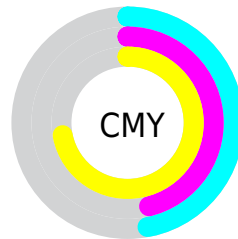


Cyan (1%)

Magenta (0%)

Yellow (49%)

Black (46%)



Cyan (47%)


Magenta (46%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 37.518, 107.021 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 56, 37.518, 107.021 by changing the saturation by 10% instead.


 56, 37.518,
107.021


 56, 37.518,
107.021


 100, 37.518,
107.021


 46, 37.518,
107.021


 76, 37.518,
107.021


 36, 37.518,
107.021

 86, 37.518,
107.021

 26, 37.518,
107.021

 96, 37.518,
107.021

 16, 37.518,
107.021

 6, 37.518, 107.021

 0, 37.518, 107.021

■ 56, 37.518,
107.021

■ 56, 37.518,
107.021

■ 56, 44.290,
106.260

■ 56, 30.278,
107.857

■ 56, 50.338,
105.604

■ 57, 22.745,
108.732

■ 56, 55.331,
105.099

■ 57, 15.038,
109.624

■ 55, 58.929,
104.787

■ 57, 7.235, 110.515

■ 55, 61.299,
104.640

■ 58, 0.615, 291.469

■ 55, 61.481,
104.629

■ 58, 8.476, 292.268

■ 59, 16.325,
293.098

■ 59, 24.145,
293.895

■ 60, 31.925,
294.655

Harmonies

Complementary

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



56, 37.518, 107.021



33, 42.714, 297.767

Rectangle

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



56, 37.518, 107.021



56, 37.518, 157.021



56, 37.518, 287.021



56, 37.518, 337.021

Sweetspot

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



56, 37.519, 107.024



72, 14.479, 109.973



39, 31.301, 25.718



37, 9.835, 109.811



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



56, 37.519, 107.024



71, 54.254, 106.187



54, 40.712, 127.444



29, 4.412, 110.522



53, 59.678, 104.622



1, 2.057, 111.334

Inverse Universe

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



33, 42.714, 297.767



37, 64.382, 299.858



36, 43.539, 312.003



26, 4.505, 292.202



14, 82.171, 306.416



0, 2.058, 291.335

Previews

White Background



This preview shows how the CIELCh color 56, 37.518, 107.021 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 56, 37.518, 107.021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

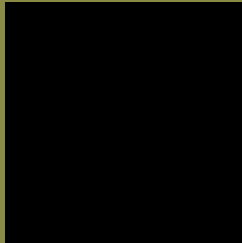
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 37.518, 107.021

Background



This preview shows how black text looks on a background with the CIELCh color 56, 37.518, 107.021.



This preview shows how white text looks on a background with the CIELCh color 56, 37.518, 107.021.

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
56, 37.518, 107.021

Protanopia
56, 36.735, 95.678

Deuteranopia
56, 35.601, 78.441



Tritanopia
56, 8.380, 331.597

Trichromacy



Original Color
56, 37.518, 107.021

Protanomaly
56, 37.267, 100.043

Deuteranomaly
56, 35.205, 89.349

Tritanomaly
56, 10.791, 90.886

Monochromacy



Original Color
56, 37.518, 107.021

Achromatopsia
54, 0.007, 296.813

Achromatomaly
55, 14.257, 110.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 37.518, 107.021 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(136, 138, 70)` looks like.

```
.text, #text, p{  
    color:rgb(136, 138, 70)  
}
```

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(136, 138, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 138, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 37.518, 107.021 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(136, 138, 70) }
```

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

```
.border{ border-color:rgb(136, 138, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 138, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 138, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 138, 70);  
box-shadow:4px 4px 4px 4px rgb(136, 138,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 37.518, 107.021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 138, 70) }
```

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

```
.background{ background-color: rgb(136,  
138, 70) }
```

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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