

Converting Colors

CIELCh(47, 56.631, 61.836)

Have a look what the booklet for
CIELCh(47, 56.631, 61.836) contains.

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Color

CIELCh(47, 56.513, 62.249)

Conversions

Conversions Part 1

Format	Color
Hex	A85C15
RGB	168, 92, 21
RGB Percent	66%, 36%, 8%
CMY	0.3414, 0.6394, 0.9178
CMYK	0.00, 0.45, 0.88, 0.34
HSL	29°, 78%, 37%
HSV	29°, 88%, 66%
XYZ	20.0951, 16.0195, 2.7399
YIQ	106.6300, 68.0870, -5.9690

Conversions

Conversions Part 2

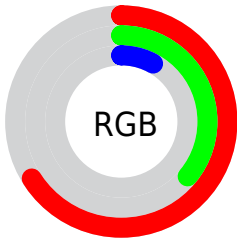
Format	Color
RYB	168, 158, 21
Decimal	11033621
CIELab	47.00, 26.31, 50.01
CIELCh	47, 56.513, 62.249
Yxy	16.0195, 0.5172, 0.4123
Android (android.graphics.Color)	4289223701 (0xFFA85C15)
YUV	106.6300, -42.2156, 53.8215
Hunter-Lab	40.0243, 19.5775, 23.9582

Details

The CIELCh color **47, 56.513, 62.249** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **40, 44.546, 276.442**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 56.517, 62.471**, and **27, 46.629, 55.107** is the 20% darker color. If you saturate the color by 10%, you get **45, 61.448, 59.995**, and if you desaturate by 10%, it is **49, 50.258, 63.977**.

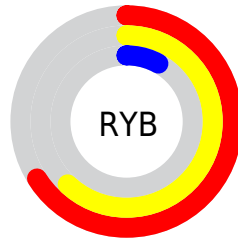
Distribution



Red (66%)

Green (36%)

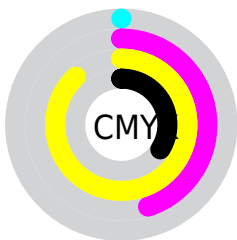
Blue (8%)



Red (66%)

Yellow (62%)

Blue (8%)

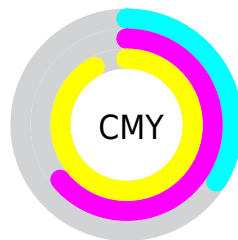


Cyan (0%)

Magenta (45%)

Yellow (88%)

Black (34%)



Cyan (34%)

Magenta (64%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 56.513, 62.249 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 47, 56.513, 62.249 by changing the saturation by 10% instead.

■ 47, 56.513, 62.249

■ 47, 56.513, 62.249

■ 100, 56.513,
62.249

■ 37, 56.513, 62.249

■ 67, 56.513, 62.249

■ 27, 56.513, 62.249

■ 77, 56.513, 62.249

■ 17, 56.513, 62.249

■ 87, 56.513, 62.249

■ 7, 56.513, 62.249

■ 97, 56.513, 62.249

■ 0, 56.513, 62.249

■ 47, 56.513, 62.249

■ 47, 56.513, 62.249

■ 45, 61.448, 59.995

■ 49, 50.258, 63.977

■ 45, 62.700, 59.511

■ 51, 43.316, 65.378

■ 54, 36.225, 66.645

■ 56, 29.260, 67.864

■ 59, 22.547, 69.070

■ 61, 16.131, 70.271

■ 64, 10.019, 71.460

■ 67, 4.197, 72.603

■ 70, 1.358, 254.099

Harmonies

Complementary

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



47, 56.513, 62.249



40, 44.546, 276.442

Rectangle

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



47, 56.513, 62.249



47, 56.513, 112.249



47, 56.513, 242.249



47, 56.513, 292.249

Sweetspot

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



47, 56.511, 62.252



79, 18.883, 70.396



37, 60.735, 354.456



40, 12.887, 70.001



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



47, 56.511, 62.252



57, 76.816, 58.759



65, 66.254, 101.229



34, 3.176, 72.410



39, 56.980, 59.939



3, 5.488, 65.785

Inverse Universe

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



40, 44.546, 276.442



48, 62.974, 282.917



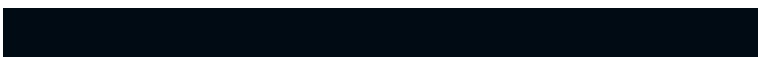
23, 88.587, 304.238



34, 3.102, 254.795



33, 45.721, 281.474



3, 6.023, 261.124

Previews

White Background



This preview shows how the CIELCh color 47, 56.513, 62.249 looks on a white 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

Black Background



This preview shows how the CIELCh color 47, 56.513, 62.249 looks on a black 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

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

CIELCh 47, 56.513, 62.249

Background



This preview shows how black text looks on a background with the CIELCh color 47, 56.513, 62.249.



This preview shows how white text looks on a background with the CIELCh color 47, 56.513, 62.249.

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

47, 56.513, 62.249

Protanopia

47, 46.543, 95.317

Deuteranopia

47, 52.285, 83.146



Tritanopia
47, 37.533, 19.781

Trichromacy



Original Color
47, 56.513, 62.249

Protanomaly
47, 47.825, 81.897

Deuteranomaly
47, 53.034, 75.338

Tritanomaly
47, 42.055, 41.428

Monochromacy



Original Color
47, 56.513, 62.249

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 20.079, 69.526

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 56.513, 62.249 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(168, 92, 21)` looks like.

```
.text, #text, p{  
    color:rgb(168, 92, 21)  
}
```

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(168, 92, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 92, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 56.513, 62.249 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(168, 92, 21) }
```

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

```
.border{ border-color:rgb(168, 92, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 92, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 92, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 92, 21);  
box-shadow:4px 4px 4px 4px rgb(168, 92,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 56.513, 62.249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 92, 21) }
```

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

```
.background{ background-color: rgb(168, 92,  
21) }
```

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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