

Converting Colors

CIELCh(46, 43.431, 40.861)

Have a look what the booklet for
CIELCh(46, 43.431, 40.861) contains.

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Color

CIELCh(46, 43.235, 41.221)

Conversions

Conversions Part 1

Format	Color
Hex	A9553F
RGB	169, 85, 63
RGB Percent	66%, 33%, 25%
CMY	0.3376, 0.6669, 0.7532
CMYK	0.00, 0.50, 0.63, 0.34
HSL	12°, 46%, 45%
HSV	12°, 63%, 66%
XYZ	20.4812, 15.2687, 6.5603
YIQ	107.6080, 57.1260, 10.9660

Conversions

Conversions Part 2

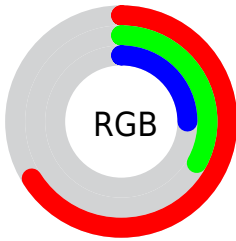
Format	Color
R_{YB}	169, 91, 63
Decimal	11097407
CIE _{Lab}	46.00, 32.52, 28.49
CIE _{LCh}	46, 43.235, 41.221
Yxy	15.2687, 0.4841, 0.3609
Android (android.graphics.Color)	4289287487 (0xFFA9553F)
YUV	107.6080, -21.9917, 53.8408
Hunter-Lab	39.0751, 25.1793, 17.3985

Details

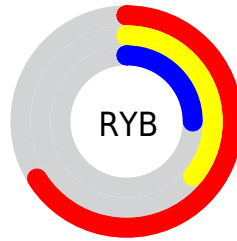
The CIELCh color **46, 43.235, 41.221** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **57, 26.576, 226.008**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 43.290, 41.117**, and **26, 43.467, 41.269** is the 20% darker color. If you saturate the color by 10%, you get **43, 51.729, 42.038**, and if you desaturate by 10%, it is **49, 35.034, 40.608**.

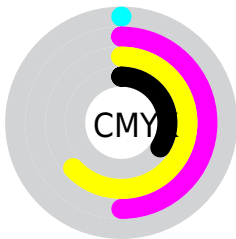
Distribution



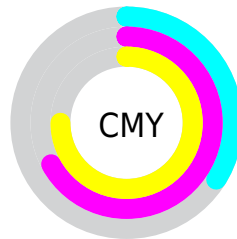
- Red (66%)
- Green (33%)
- Blue (25%)



- Red (66%)
- Yellow (36%)
- Blue (25%)



- Cyan (0%)
- Magenta (50%)
- Yellow (63%)
- Black (34%)



- Cyan (34%)
- Magenta (67%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 43.235, 41.221 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 46, 43.235, 41.221 by changing the saturation by 10% instead.

■ 46, 43.235, 41.221

■ 46, 43.235, 41.221

■ 100, 43.235,
41.221

■ 36, 43.235, 41.221

■ 66, 43.235, 41.221

■ 26, 43.235, 41.221

■ 76, 43.235, 41.221

■ 16, 43.235, 41.221

■ 86, 43.235, 41.221

■ 6, 43.235, 41.221

■ 96, 43.235, 41.221

■ 0, 43.235, 41.221

■ 46, 43.235, 41.221

■ 46, 43.235, 41.221

■ 43, 51.729, 42.038

■ 49, 35.034, 40.608

■ 41, 60.151, 42.918

■ 53, 27.292, 40.209

38, 67.685, 43.477

56, 20.071, 40.006

37, 72.492, 43.909

60, 13.380, 39.962

64, 7.197, 40.030

68, 1.487, 39.974

72, 3.795, 220.692

76, 8.695, 220.948

80, 13.257,
221.292

Harmonies

Complementary

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



46, 43.235, 41.221



57, 26.576, 226.008

Rectangle

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



46, 43.235, 41.221



46, 43.235, 91.221



46, 43.235, 221.221



46, 43.235, 271.221

Sweetspot

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



46, 43.233, 41.224



78, 13.632, 39.976



44, 58.932, 334.742



40, 9.474, 39.964



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



46, 43.233, 41.224



55, 66.576, 42.360



59, 43.566, 85.508



34, 3.143, 40.063



32, 65.287, 43.998



2, 5.640, 37.026

Inverse Universe

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



57, 26.576, 226.008



70, 35.930, 229.085



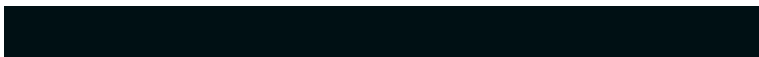
41, 45.128, 285.939



35, 2.971, 220.747



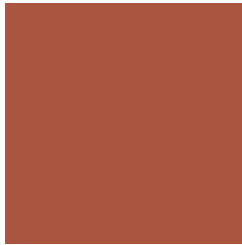
46, 29.332, 236.435



4, 5.417, 227.896

Previews

White Background



This preview shows how the CIELCh color 46, 43.235, 41.221 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 46, 43.235, 41.221 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 46, 43.235, 41.221

Background



This preview shows how black text looks on a background with the CIELCh color 46, 43.235, 41.221.



This preview shows how white text looks on a background with the CIELCh color 46, 43.235, 41.221.

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

46, 43.235, 41.221

Protanopia

46, 22.190, 95.133

Deuteranopia

46, 30.364, 78.114



Tritanopia
46, 39.197, 21.241

Trichromacy



Original Color
46, 43.235, 41.221

Protanomaly
45, 25.810, 64.952

Deuteranomaly
46, 33.393, 60.857

Tritanomaly
46, 40.287, 29.196

Monochromacy



Original Color
46, 43.235, 41.221

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 14.197, 40.274

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 43.235, 41.221 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(169, 85, 63)` looks like.

```
.text, #text, p{  
    color:rgb(169, 85, 63)  
}
```

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(169, 85, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 85, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 43.235, 41.221 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(169, 85, 63) }
```

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

```
.border{ border-color:rgb(169, 85, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 85, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 85, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 85, 63);  
box-shadow:4px 4px 4px 4px rgb(169, 85,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 43.235, 41.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 85, 63) }
```

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

```
.background{ background-color: rgb(169, 85,  
63) }
```

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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