

Converting Colors

CIELCh(46, 35.988, 56.575)

Have a look what the booklet for
CIELCh(46, 35.988, 56.575) contains.

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Color

CIELCh(46, 36.227, 56.554)

Conversions

Conversions Part 1

Format	Color
Hex	995F3B
RGB	153, 95, 59
RGB Percent	60%, 37%, 23%
CMY	0.4001, 0.6275, 0.7687
CMYK	0.00, 0.38, 0.61, 0.40
HSL	23°, 44%, 42%
HSV	23°, 61%, 60%
XYZ	18.0143, 15.2687, 6.1337
YIQ	108.2380, 46.1240, 1.1000

Conversions

Conversions Part 2

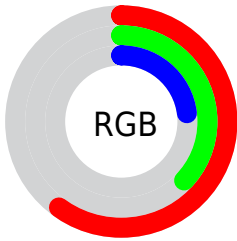
Format	Color
R_{YB}	153, 117, 59
Decimal	10051387
CIE _{Lab}	46.00, 19.97, 30.23
CIE _{LCh}	46, 36.227, 56.554
Yxy	15.2687, 0.4570, 0.3874
Android (android.graphics.Color)	4288241467 (0xFF995F3B)
YUV	108.2380, -24.2743, 39.2563
Hunter-Lab	39.0751, 13.9101, 18.0458

Details

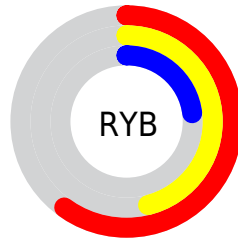
The CIELCh color **46, 36.227, 56.554** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **47, 26.306, 253.099**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 36.165, 56.951**, and **26, 36.418, 56.684** is the 20% darker color. If you saturate the color by 10%, you get **44, 43.258, 55.816**, and if you desaturate by 10%, it is **49, 29.409, 57.302**.

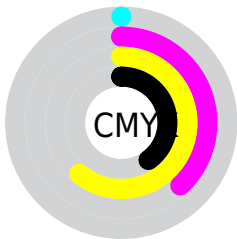
Distribution



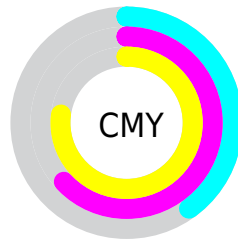
- Red (60%)
- Green (37%)
- Blue (23%)



- Red (60%)
- Yellow (46%)
- Blue (23%)



- Cyan (0%)
- Magenta (38%)
- Yellow (61%)
- Black (40%)



- Cyan (40%)
- Magenta (63%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 36.227, 56.554 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, 36.227, 56.554 by changing the saturation by 10% instead.

■ 46, 36.227, 56.554

■ 46, 36.227, 56.554

■ 100, 36.227,
56.554

■ 36, 36.227, 56.554

■ 66, 36.227, 56.554

■ 26, 36.227, 56.554

■ 76, 36.227, 56.554

■ 16, 36.227, 56.554

■ 86, 36.227, 56.554

■ 6, 36.227, 56.554

■ 96, 36.227, 56.554

■ 0, 36.227, 56.554

■ 46, 36.227, 56.554

■ 46, 36.227, 56.554

■ 44, 43.258, 55.816

■ 49, 29.409, 57.302

■ 41, 50.216, 54.959

■ 51, 22.930, 58.089

39, 56.505, 53.721

54, 16.830, 58.926

38, 61.390, 52.610

57, 11.106, 59.803

60, 5.739, 60.692

63, 0.697, 61.161

66, 4.051, 242.737

69, 8.538, 243.632

72, 12.795,
244.549

Harmonies

Complementary

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



46, 36.227, 56.554



47, 26.306, 253.099

Rectangle

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



46, 36.227, 56.554



46, 36.227, 106.554



46, 36.227, 236.554



46, 36.227, 286.554

Sweetspot

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



46, 36.226, 56.558



74, 11.432, 60.078



40, 48.168, 342.664



38, 7.993, 59.838



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



46, 36.226, 56.558



55, 55.975, 55.496



58, 44.508, 97.481



31, 2.815, 60.883



34, 57.469, 52.908



2, 2.963, 61.040

Inverse Universe

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



47, 26.306, 253.099



56, 37.631, 258.060



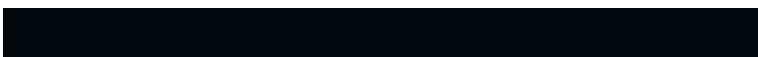
34, 50.866, 294.521



31, 2.711, 242.867



35, 35.902, 268.691



2, 2.978, 243.102

Previews

White Background



This preview shows how the CIELCh color 46, 36.227, 56.554 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, 36.227, 56.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

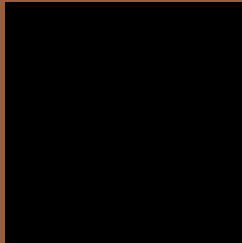
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 36.227, 56.554

Background



This preview shows how black text looks on a background with the CIELCh color 46, 36.227, 56.554.



This preview shows how white text looks on a background with the CIELCh color 46, 36.227, 56.554.

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, 36.227, 56.554

Protanopia

46, 26.744, 95.348

Deuteranopia

46, 31.376, 78.838



Tritanopia
46, 28.992, 15.600

Trichromacy



Original Color
46, 36.227, 56.554

Protanomaly
46, 28.336, 78.538

Deuteranomaly
46, 32.396, 69.985

Tritanomaly
46, 29.595, 33.238

Monochromacy



Original Color
46, 36.227, 56.554

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 12.173, 59.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 36.227, 56.554 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(153, 95, 59)` looks like.

```
.text, #text, p{  
    color:rgb(153, 95, 59)  
}
```

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(153, 95, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 95, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 36.227, 56.554 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(153, 95, 59) }
```

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

```
.border{ border-color:rgb(153, 95, 59) }
```

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

Here you see how a box with a 4 pixel rgb(153, 95, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 95, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 95, 59);  
box-shadow:4px 4px 4px 4px rgb(153, 95,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 36.227, 56.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 95, 59) }
```

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

```
.background{ background-color: rgb(153, 95,  
59) }
```

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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