

Converting Colors

CIELCh(36, 62.815, 43.955)

Have a look what the booklet for
CIELCh(36, 62.815, 43.955) contains.

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Color

CIELCh(36, 62.898, 43.785)

Conversions

Conversions Part 1

Format	Color
Hex	9D2C0D
RGB	157, 44, 13
RGB Percent	62%, 17%, 5%
CMY	0.3841, 0.8272, 0.9488
CMYK	0.00, 0.72, 0.92, 0.38
HSL	13°, 85%, 33%
HSV	13°, 92%, 62%
XYZ	14.8912, 9.0082, 1.3363
YIQ	74.2530, 77.2990, 14.3150

Conversions

Conversions Part 2

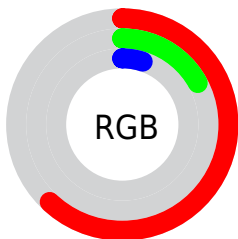
Format	Color
RYB	157, 53, 13
Decimal	10300429
CIELab	36.00, 45.41, 43.52
CIElCh	36, 62.898, 43.785
Yxy	9.0082, 0.5901, 0.3570
Android (android.graphics.Color)	4288490509 (0xFF9D2C0D)
YUV	74.2530, -30.1977, 72.5691
Hunter-Lab	30.0136, 36.0388, 18.3698

Details

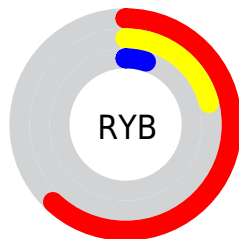
The CIELCh color **36, 62.898, 43.785** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **49, 30.027, 235.230**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 63.138, 43.834**, and **18, 48.338, 35.275** is the 20% darker color. If you saturate the color by 10%, you get **35, 68.278, 44.274**, and if you desaturate by 10%, it is **38, 55.604, 43.239**.

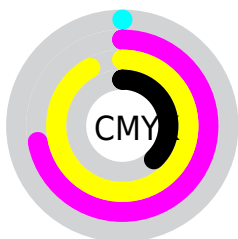
Distribution



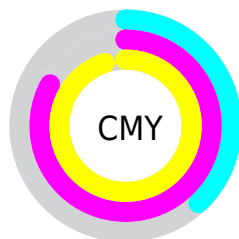
- Red (62%)
- Green (17%)
- Blue (5%)



- Red (62%)
- Yellow (21%)
- Blue (5%)



- Cyan (0%)
- Magenta (72%)
- Yellow (92%)
- Black (38%)



- Cyan (38%)
- Magenta (83%)
- Yellow (95%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 62.898, 43.785 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 36, 62.898, 43.785 by changing the saturation by 10% instead.

 36, 62.898, 43.785

 36, 62.898, 43.785

 100, 62.898,
43.785

 26, 62.898, 43.785

 56, 62.898, 43.785

 16, 62.898, 43.785

 66, 62.898, 43.785

 6, 62.898, 43.785

 76, 62.898, 43.785

 0, 62.898, 43.785

 86, 62.898, 43.785

 96, 62.898, 43.785

 36, 62.898, 43.785

 36, 62.898, 43.785

 35, 68.278, 44.274

 38, 55.604, 43.239

41, 47.644, 42.447

43, 39.690, 41.738

46, 32.047, 41.221

50, 24.846, 40.909

53, 18.135, 40.779

57, 11.917, 40.795

60, 6.170, 40.910

64, 0.857, 40.700

Harmonies

Complementary

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



36, 62.898, 43.785



49, 30.027, 235.230

Rectangle

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



36, 62.898, 43.785



36, 62.898, 93.785



36, 62.898, 223.785



36, 62.898, 273.785

Sweetspot

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



36, 62.896, 43.787



69, 19.573, 40.770



36, 68.015, 337.170



34, 13.705, 40.783



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



36, 62.896, 43.787



45, 83.516, 43.821



51, 55.458, 80.797



32, 2.971, 40.942



31, 63.244, 44.258



2, 3.782, 39.965

Inverse Universe

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



49, 30.027, 235.230



61, 37.513, 239.209



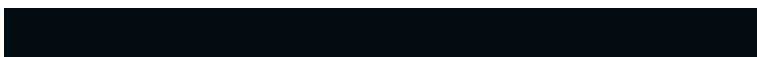
28, 64.424, 295.269



32, 2.811, 221.690



44, 28.708, 237.951



3, 3.710, 225.280

Previews

White Background



This preview shows how the CIELCh color 36, 62.898, 43.785 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 36, 62.898, 43.785 looks on a black 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

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

CIELCh 36, 62.898, 43.785

Background



This preview shows how black text looks on a background with the CIELCh color 36, 62.898, 43.785.



This preview shows how white text looks on a background with the CIELCh color 36, 62.898, 43.785.

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

36, 62.898, 43.785

Protanopia

36, 36.017, 96.073

Tritanopia

36, 55.379, 30.222

Trichromacy



Original Color
36, 62.898, 43.785

Protanomaly
35, 40.235, 66.859

Tritanomaly
36, 58.241, 36.165

Monochromacy



Original Color
36, 62.898, 43.785

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 21.839, 40.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 62.898, 43.785 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, 44, 13)` looks like.

```
.text, #text, p{  
    color:rgb(157, 44, 13)  
}
```

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, 44, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 44, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 62.898, 43.785 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, 44, 13) }
```

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

```
.border{ border-color:rgb(157, 44, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 44, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 44, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 44, 13);  
box-shadow:4px 4px 4px 4px rgb(157, 44,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 62.898, 43.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 44, 13) }
```

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

```
.background{ background-color: rgb(157, 44,  
13) }
```

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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