

Converting Colors

CIELCh(36, 24.476, 24.220)

Have a look what the booklet for
CIELCh(36, 24.476, 24.220) contains.

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Color

CIELCh(36, 24.278, 23.431)

Conversions

Conversions Part 1

Format	Color
Hex	7A4646
RGB	122, 70, 70
RGB Percent	48%, 27%, 27%
CMY	0.5206, 0.7246, 0.7247
CMYK	0.00, 0.43, 0.43, 0.52
HSL	0°, 27%, 38%
HSV	0°, 43%, 48%
XYZ	11.3769, 9.0082, 6.9688
YIQ	85.5480, 30.9920, 11.0240

Conversions

Conversions Part 2

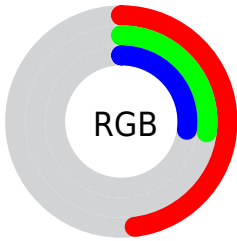
Format	Color
R_{YB}	122, 70, 70
Decimal	8013382
CIE Lab	36.00, 22.28, 9.65
CIE LCh	36, 24.278, 23.431
Yxy	9.0082, 0.4159, 0.3293
Android (android.graphics.Color)	4286203462 (0xFF7A4646)
YUV	85.5480, -7.6652, 31.9684
Hunter-Lab	30.0136, 15.1382, 7.2431

Details

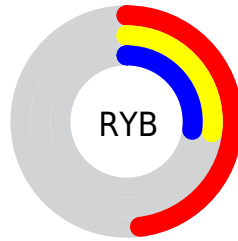
The CIELCh color **36, 24.278, 23.431** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **48, 18.180, 197.506**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 24.228, 23.474**, and **16, 24.328, 23.843** is the 20% darker color. If you saturate the color by 10%, you get **33, 30.870, 25.205**, and if you desaturate by 10%, it is **39, 17.960, 22.063**.

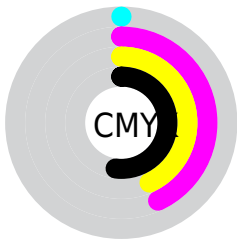
Distribution



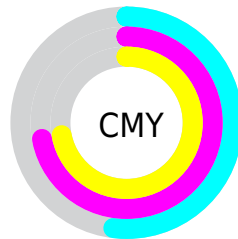
- Red (48%)
- Green (27%)
- Blue (27%)



- Red (48%)
- Yellow (27%)
- Blue (27%)



- Cyan (0%)
- Magenta (43%)
- Yellow (43%)
- Black (52%)



- Cyan (52%)
- Magenta (72%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 24.278, 23.431 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, 24.278, 23.431 by changing the saturation by 10% instead.

 36, 24.278, 23.431

 36, 24.278, 23.431

 100, 24.278,
23.431

 26, 24.278, 23.431

 56, 24.278, 23.431

 16, 24.278, 23.431

 66, 24.278, 23.431

 6, 24.278, 23.431

 76, 24.278, 23.431

 0, 24.278, 23.431

 86, 24.278, 23.431

 96, 24.278, 23.431

 36, 24.278, 23.431

 36, 24.278, 23.431

 33, 30.870, 25.205

 39, 17.960, 22.063

■ 30, 37.603, 27.471

■ 43, 12.002, 20.997

■ 28, 44.277, 30.293

■ 47, 6.436, 20.149

■ 26, 50.619, 33.596

■ 50, 1.265, 19.263

■ 25, 55.844, 36.552

■ 54, 3.532, 199.168

■ 24, 58.977, 37.980

■ 58, 7.986, 198.702

■ 62, 12.130,
198.359

■ 66, 15.999,
198.086

■ 70, 19.627,
197.863

Harmonies

Complementary

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



36, 24.278, 23.431



48, 18.180, 197.506

Rectangle

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



36, 24.278, 23.431



36, 24.278, 73.431



36, 24.278, 203.431



36, 24.278, 253.431

Sweetspot

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



36, 24.276, 23.435



59, 8.244, 20.207



38, 36.973, 326.608



29, 5.777, 20.353



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



36, 24.276, 23.435



43, 36.935, 25.136



43, 20.029, 70.339



24, 2.851, 19.883



25, 60.073, 38.177



53, 103.780, 40.001

Inverse Universe

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



48, 18.180, 197.506



60, 25.642, 197.188



40, 17.828, 262.487



25, 2.699, 199.035



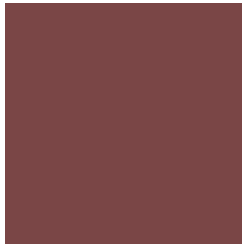
47, 29.538, 196.412



90, 49.722, 196.413

Previews

White Background



This preview shows how the CIE LCh color 36, 24.278, 23.431 looks on a white background.

Color Contrast Check

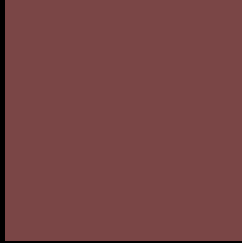
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 36, 24.278, 23.431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

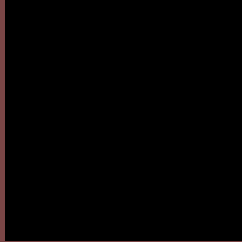
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 24.278, 23.431

Background



This preview shows how black text looks on a background with the CIELCh color 36, 24.278, 23.431.



This preview shows how white text looks on a background with the CIELCh color 36, 24.278, 23.431.

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, 24.278, 23.431

Protanopia

36, 4.515, 92.398

Deuteranopia

36, 11.824, 66.633



Tritanopia
36, 24.324, 16.463

Trichromacy



Original Color
36, 24.278, 23.431

Protanomaly
36, 9.652, 39.168

Deuteranomaly
36, 14.824, 42.972

Tritanomaly
36, 24.444, 19.312

Monochromacy



Original Color
36, 24.278, 23.431

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 8.462, 20.639

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 24.278, 23.431 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(122, 70, 70)` looks like.

```
.text, #text, p{  
    color:rgb(122, 70, 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(122, 70, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 70, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 24.278, 23.431 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(122, 70, 70) }
```

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

```
.border{ border-color:rgb(122, 70, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 70, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 70, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 70, 70);  
box-shadow:4px 4px 4px 4px rgb(122, 70,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 24.278, 23.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 70, 70) }
```

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

```
.background{ background-color: rgb(122, 70,  
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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