

Converting Colors

CIELCh(30, 41.020, 27.130)

Have a look what the booklet for
CIELCh(30, 41.020, 27.130) contains.

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Color

CIELCh(30, 40.935, 26.991)

Conversions

Conversions Part 1

Format	Color
Hex	7E2A2C
RGB	126, 42, 44
RGB Percent	49%, 16%, 17%
CMY	0.5069, 0.8362, 0.8282
CMYK	0.00, 0.67, 0.65, 0.51
HSL	359°, 50%, 33%
HSV	359°, 67%, 49%
XYZ	9.8369, 6.2359, 3.0488
YIQ	67.3440, 49.4220, 18.4300

Conversions

Conversions Part 2

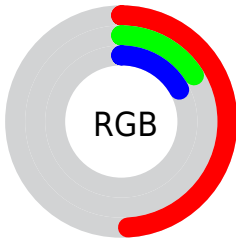
Format	Color
RYB	126, 42, 44
Decimal	8268332
CIELab	30.00, 36.48, 18.58
CIELCh	30, 40.935, 26.991
Yxy	6.2359, 0.5144, 0.3261
Android (android.graphics.Color)	4286458412 (0xFF7E2A2C)
YUV	67.3440, -11.5086, 51.4413
Hunter-Lab	24.9718, 26.6140, 10.2417

Details

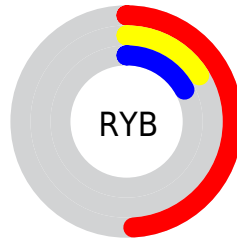
The CIELCh color **30, 40.935, 26.991** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **48, 25.831, 194.056**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 40.821, 26.533**, and **12, 37.152, 29.991** is the 20% darker color. If you saturate the color by 10%, you get **28, 47.476, 30.159**, and if you desaturate by 10%, it is **33, 34.198, 24.414**.

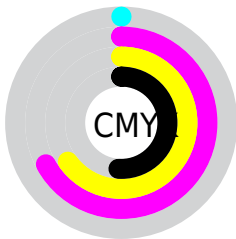
Distribution



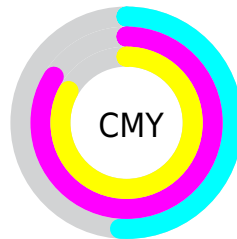
- Red (49%)
- Green (16%)
- Blue (17%)



- Red (49%)
- Yellow (16%)
- Blue (17%)



- Cyan (0%)
- Magenta (67%)
- Yellow (65%)
- Black (51%)



- Cyan (51%)
- Magenta (84%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 40.935, 26.991 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 30, 40.935, 26.991 by changing the saturation by 10% instead.

■ 30, 40.935, 26.991

■ 30, 40.935, 26.991

■ 100, 40.935,
26.991

■ 20, 40.935, 26.991

■ 50, 40.935, 26.991

■ 10, 40.935, 26.991

■ 60, 40.935, 26.991

■ 0, 40.935, 26.991

■ 70, 40.935, 26.991

■ 80, 40.935, 26.991

■ 90, 40.935, 26.991

■ 30, 40.935, 26.991

■ 30, 40.935, 26.991

■ 28, 47.476, 30.159

■ 33, 34.198, 24.414

■ 26, 53.537, 33.772

■ 36, 27.489, 22.378

■ 25, 58.328, 36.657

■ 39, 20.975, 20.789

■ 25, 59.693, 37.275

■ 43, 14.768, 19.545

■ 46, 8.930, 18.557

■ 50, 3.479, 17.718

■ 54, 1.592, 197.458

■ 58, 6.309, 196.773

■ 62, 10.701,
196.334

Harmonies

Complementary

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



30, 40.935, 26.991



48, 25.831, 194.056

Rectangle

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



30, 40.935, 26.991



30, 40.935, 76.991



30, 40.935, 206.991



30, 40.935, 256.991

Sweetspot

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



30, 40.933, 26.994



58, 13.351, 18.897



33, 55.630, 326.534



28, 9.137, 19.122



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



30, 40.933, 26.994



36, 61.252, 31.970



39, 33.653, 64.132



25, 2.951, 17.912



25, 60.386, 37.393



0, 0.000, 0.000

Inverse Universe

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



30, 40.933, 26.994



36, 61.252, 31.970



35, 26.744, 265.521



25, 2.951, 17.912



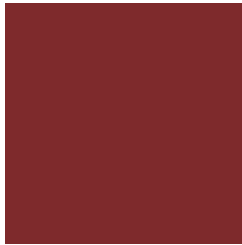
25, 60.386, 37.393



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 30, 40.935, 26.991 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 30, 40.935, 26.991 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 30, 40.935, 26.991

Background



This preview shows how black text looks on a background with the CIELCh color 30, 40.935, 26.991.

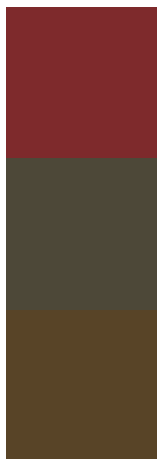


This preview shows how white text looks on a background with the CIELCh color 30, 40.935, 26.991.

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

30, 40.935, 26.991

Protanopia

31, 10.416, 95.069

Deuteranopia

30, 21.221, 77.780



Tritanopia
30, 40.935, 26.991

Trichromacy



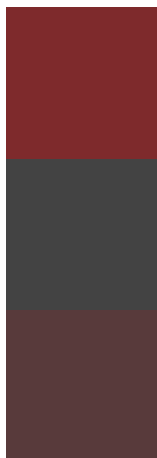
Original Color
30, 40.935, 26.991

Protanomaly
29, 18.008, 40.370

Deuteranomaly
29, 25.757, 46.991

Tritanomaly
30, 40.935, 26.991

Monochromacy



Original Color
30, 40.935, 26.991

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 14.280, 19.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 40.935, 26.991 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(126, 42, 44)` looks like.

```
.text, #text, p{  
    color:rgb(126, 42, 44)  
}
```

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(126, 42, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 42, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 40.935, 26.991 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(126, 42, 44) }
```

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

```
.border{ border-color:rgb(126, 42, 44) }
```

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

Here you see how a box with a 4 pixel rgb(126, 42, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 42, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 42, 44);  
box-shadow:4px 4px 4px 4px rgb(126, 42,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 40.935, 26.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 42, 44) }
```

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

```
.background{ background-color: rgb(126, 42,  
44) }
```

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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