

Converting Colors

CIELCh(29, 48.694, 46.599)

Have a look what the booklet for
CIELCh(29, 48.694, 46.599) contains.

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Color

CIELCh(29, 48.553, 46.403)

Conversions

Conversions Part 1

Format	Color
Hex	7A2A0D
RGB	122, 42, 13
RGB Percent	48%, 16%, 5%
CMY	0.5211, 0.8349, 0.9487
CMYK	0.00, 0.66, 0.89, 0.52
HSL	16°, 81%, 27%
HSV	16°, 89%, 48%
XYZ	8.9468, 5.8380, 1.0392
YIQ	62.6140, 56.9890, 7.9410

Conversions

Conversions Part 2

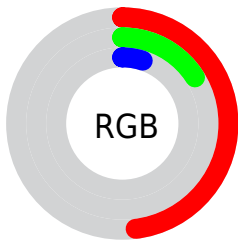
Format	Color
RYB	122, 53, 13
Decimal	8006157
CIELab	29.00, 33.48, 35.16
CIElCh	29, 48.553, 46.403
Yxy	5.8380, 0.5654, 0.3689
Android (android.graphics.Color)	4286196237 (0xFF7A2A0D)
YUV	62.6140, -24.4597, 52.0815
Hunter-Lab	24.1619, 23.8125, 14.3633

Details

The CIELCh color **29, 48.553, 46.403** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **37, 25.347, 243.378**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 48.479, 46.413**, and **10, 34.401, 28.020** is the 20% darker color. If you saturate the color by 10%, you get **27, 53.889, 46.226**, and if you desaturate by 10%, it is **31, 42.429, 46.289**.

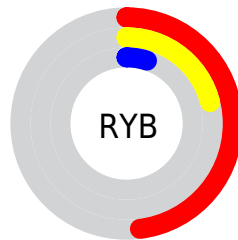
Distribution



Red (48%)

Green (16%)

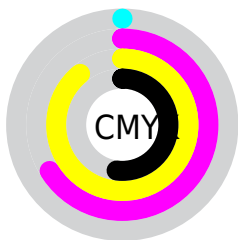
Blue (5%)



Red (48%)

Yellow (21%)

Blue (5%)

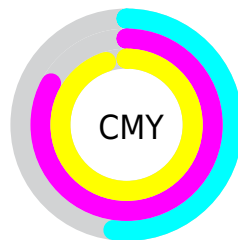


Cyan (0%)

Magenta (66%)

Yellow (89%)

Black (52%)



Cyan (52%)

Magenta (83%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 48.553, 46.403 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 29, 48.553, 46.403 by changing the saturation by 10% instead.

■ 29, 48.553, 46.403

■ 29, 48.553, 46.403

■ 100, 48.553,
46.403

■ 19, 48.553, 46.403

■ 49, 48.553, 46.403

■ 9, 48.553, 46.403

■ 59, 48.553, 46.403

■ 0, 48.553, 46.403

■ 69, 48.553, 46.403

■ 79, 48.553, 46.403

■ 89, 48.553, 46.403

■ 99, 48.553, 46.403

■ 29, 48.553, 46.403

■ 29, 48.553, 46.403

27, 53.889, 46.226

31, 42.429, 46.289

27, 54.257, 46.231

33, 36.068, 46.044

35, 29.840, 45.868

38, 23.908, 45.826

40, 18.340, 45.926

43, 13.152, 46.150

46, 8.334, 46.471

49, 3.862, 46.841

51, 0.293, 228.656

Harmonies

Complementary

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



29, 48.553, 46.403



37, 25.347, 243.378

Rectangle

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



29, 48.553, 46.403



29, 48.553, 96.403



29, 48.553, 226.403



29, 48.553, 276.403

Sweetspot

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



29, 48.551, 46.405



56, 14.890, 46.196



27, 54.063, 339.466



27, 10.081, 46.122



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



29, 48.551, 46.405



36, 67.025, 46.268



42, 45.853, 85.880



24, 2.347, 46.848



28, 55.338, 46.281



57, 96.177, 45.325

Inverse Universe

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



37, 25.347, 243.378



46, 32.500, 248.900



20, 54.697, 296.428



25, 2.235, 227.990



36, 27.202, 247.767



71, 46.596, 250.559

Previews

White Background



This preview shows how the CIELCh color 29, 48.553, 46.403 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 29, 48.553, 46.403 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 29, 48.553, 46.403

Background



This preview shows how black text looks on a background with the CIELCh color 29, 48.553, 46.403.



This preview shows how white text looks on a background with the CIELCh color 29, 48.553, 46.403.

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

29, 48.553, 46.403

Protanopia

30, 30.318, 96.413

Deuteranopia

29, 38.748, 85.033



Tritanopia
29, 40.966, 26.595

Trichromacy



Original Color
29, 48.553, 46.403

Protanomaly
29, 33.013, 70.863

Deuteranomaly
29, 39.616, 67.444

Tritanomaly
29, 43.616, 35.494

Monochromacy



Original Color
29, 48.553, 46.403

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 16.309, 44.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 48.553, 46.403 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, 42, 13)` looks like.

```
.text, #text, p{  
    color:rgb(122, 42, 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(122, 42, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 42, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 48.553, 46.403 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, 42, 13) }
```

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

```
.border{ border-color:rgb(122, 42, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 42, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 42, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 42, 13);  
box-shadow:4px 4px 4px 4px rgb(122, 42,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 48.553, 46.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 42, 13) }
```

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

```
.background{ background-color: rgb(122, 42,  
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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