

Converting Colors

CIELCh(29, 41.685, 32.938)

Have a look what the booklet for
CIELCh(29, 41.685, 32.938) contains.

CIELCh(29, 41.693, 33.209)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(29, 41.693, 33.209)

Conversions

Conversions Part 1

Format	Color
Hex	7A2923
RGB	122, 41, 35
RGB Percent	48%, 16%, 14%
CMY	0.5218, 0.8394, 0.8629
CMYK	0.00, 0.66, 0.71, 0.52
HSL	4°, 55%, 31%
HSV	4°, 71%, 48%
XYZ	9.1133, 5.8380, 2.2338
YIQ	64.5350, 50.2020, 15.3060

Conversions

Conversions Part 2

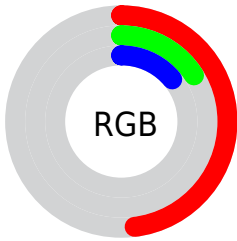
Format	Color
R _Y B	122, 41, 35
Decimal	8005923
CIE Lab	29.00, 34.88, 22.84
CIE LCh	29, 41.693, 33.209
Yxy	5.8380, 0.5303, 0.3397
Android (android.graphics.Color)	4286196003 (0xFF7A2923)
YUV	64.5350, -14.5608, 50.3968
Hunter-Lab	24.1619, 25.0426, 11.4318

Details

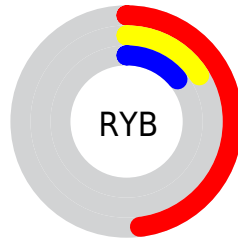
The CIELCh color **29, 41.693, 33.209** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **45, 23.989, 205.596**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 41.408, 33.284**, and **11, 34.861, 28.375** is the 20% darker color. If you saturate the color by 10%, you get **27, 48.275, 35.652**, and if you desaturate by 10%, it is **31, 34.988, 31.135**.

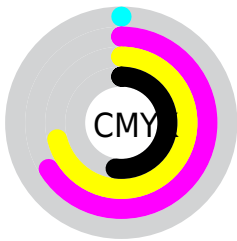
Distribution



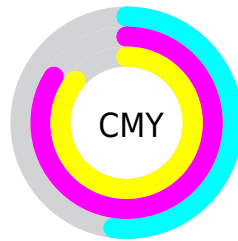
- Red (48%)
- Green (16%)
- Blue (14%)



- Red (48%)
- Yellow (16%)
- Blue (14%)



- Cyan (0%)
- Magenta (66%)
- Yellow (71%)
- Black (52%)



- Cyan (52%)
- Magenta (84%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 41.693, 33.209 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, 41.693, 33.209 by changing the saturation by 10% instead.

■ 29, 41.693, 33.209

■ 29, 41.693, 33.209

■ 100, 41.693,
33.209

■ 19, 41.693, 33.209

■ 49, 41.693, 33.209

■ 9, 41.693, 33.209

■ 59, 41.693, 33.209

■ 0, 41.693, 33.209

■ 69, 41.693, 33.209

■ 79, 41.693, 33.209

■ 89, 41.693, 33.209

■ 99, 41.693, 33.209

■ 29, 41.693, 33.209

■ 29, 41.693, 33.209

27, 48.275, 35.652

31, 34.988, 31.135

26, 54.120, 37.946

34, 28.408, 29.476

25, 57.903, 39.419

37, 22.096, 28.194

40, 16.136, 27.222

44, 10.568, 26.489

47, 5.398, 25.923

51, 0.609, 24.974

54, 3.825, 205.435

58, 7.938, 205.191

Harmonies

Complementary

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



29, 41.693, 33.209



45, 23.989, 205.596

Rectangle

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



29, 41.693, 33.209



29, 41.693, 83.209



29, 41.693, 213.209



29, 41.693, 263.209

Sweetspot

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



29, 41.691, 33.212



56, 12.878, 26.500



31, 54.588, 329.941



28, 8.742, 26.643



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, 41.691, 33.212



35, 63.316, 37.369



39, 35.704, 72.914



24, 2.668, 25.806



25, 59.125, 39.586



53, 102.884, 40.537

Inverse Universe

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



45, 23.989, 205.596



56, 31.373, 206.667



31, 32.298, 277.609



25, 2.523, 205.396



44, 27.129, 207.731



85, 45.496, 208.402

Previews

White Background



This preview shows how the CIELCh color 29, 41.693, 33.209 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, 41.693, 33.209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

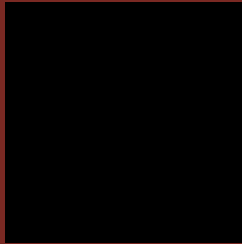
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 41.693, 33.209

Background



This preview shows how black text looks on a background with the CIELCh color 29, 41.693, 33.209.

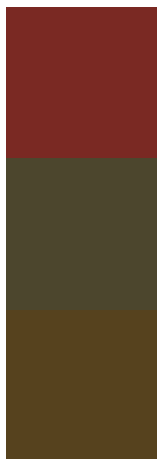


This preview shows how white text looks on a background with the CIELCh color 29, 41.693, 33.209.

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, 41.693, 33.209

Protanopia

30, 16.105, 96.492

Deuteranopia

29, 25.148, 81.057



Tritanopia
29, 40.199, 27.045

Trichromacy



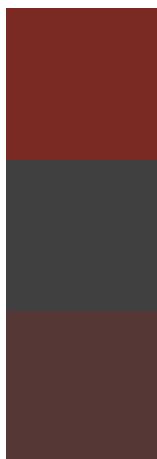
Original Color
29, 41.693, 33.209

Protanomaly
28, 21.484, 53.508

Deuteranomaly
29, 28.242, 55.401

Tritanomaly
29, 40.910, 29.511

Monochromacy



Original Color
29, 41.693, 33.209

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 14.360, 29.666

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 41.693, 33.209 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, 41, 35)` looks like.

```
.text, #text, p{  
    color:rgb(122, 41, 35)  
}
```

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, 41, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 41, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 41.693, 33.209 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, 41, 35) }
```

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

```
.border{ border-color:rgb(122, 41, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 41, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 41, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 41, 35);  
box-shadow:4px 4px 4px 4px rgb(122, 41,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 41.693, 33.209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 41, 35) }
```

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

```
.background{ background-color: rgb(122, 41,  
35) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor