

Converting Colors

CIELCh(29, 12.922, 44.320)

Have a look what the booklet for
CIELCh(29, 12.922, 44.320) contains.

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Color

CIELCh(29, 12.878, 44.324)

Conversions

Conversions Part 1

Format	Color
Hex	573F37
RGB	87, 63, 55
RGB Percent	34%, 25%, 22%
CMY	0.6593, 0.7534, 0.7847
CMYK	0.00, 0.28, 0.37, 0.66
HSL	15°, 23%, 28%
HSV	15°, 37%, 34%
XYZ	6.3777, 5.8380, 4.3915
YIQ	69.2640, 16.8720, 2.6000

Conversions

Conversions Part 2

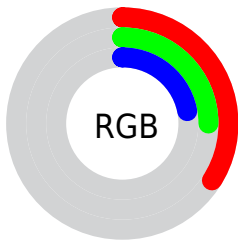
Format	Color
R_{YB}	87, 66, 55
Decimal	5717815
CIE _{Lab}	29.00, 9.21, 9.00
CIE _{LCh}	29, 12.878, 44.324
Yxy	5.8380, 0.3840, 0.3515
Android (android.graphics.Color)	4283907895 (0xFF573F37)
YUV	69.2640, -7.0322, 15.5545
Hunter-Lab	24.1619, 4.8325, 6.1371

Details

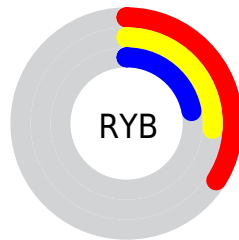
The CIELCh color **29, 12.878, 44.324** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **32, 10.274, 228.064**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 12.893, 44.476**, and **9, 13.260, 43.268** is the 20% darker color. If you saturate the color by 10%, you get **27, 16.999, 44.280**, and if you desaturate by 10%, it is **31, 9.034, 44.497**.

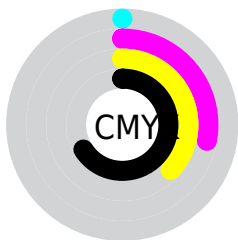
Distribution



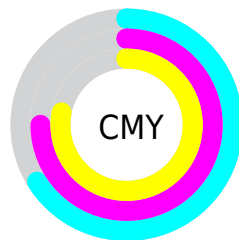
- Red (34%)
- Green (25%)
- Blue (22%)



- Red (34%)
- Yellow (26%)
- Blue (22%)



- Cyan (0%)
- Magenta (28%)
- Yellow (37%)
- Black (66%)



- Cyan (66%)
- Magenta (75%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 12.878, 44.324 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, 12.878, 44.324 by changing the saturation by 10% instead.

■ 29, 12.878, 44.324

■ 29, 12.878, 44.324

■ 100, 12.878,
44.324

■ 19, 12.878, 44.324

■ 49, 12.878, 44.324

■ 9, 12.878, 44.324

■ 59, 12.878, 44.324

■ 0, 12.878, 44.324

■ 69, 12.878, 44.324

■ 79, 12.878, 44.324

■ 89, 12.878, 44.324

■ 99, 12.878, 44.324

■ 29, 12.878, 44.324

■ 29, 12.878, 44.324

27, 16.999, 44.280

31, 9.034, 44.497

25, 21.397, 44.366

33, 5.459, 44.751

23, 26.041, 44.600

35, 2.133, 45.019

22, 30.857, 44.956

38, 0.964, 225.863

20, 35.317, 44.756

40, 3.855, 226.088

19, 38.896, 43.757

42, 6.562, 226.535

18, 39.992, 43.590

44, 9.106, 227.020

47, 11.506,
227.520

49, 13.778,
228.027

Harmonies

Complementary

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



29, 12.878, 44.324



32, 10.274, 228.064

Rectangle

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



29, 12.878, 44.324



29, 12.878, 94.324



29, 12.878, 224.324



29, 12.878, 274.324

Sweetspot

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



29, 12.877, 44.330



44, 4.321, 44.907



28, 20.510, 334.662



22, 2.880, 44.887



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



29, 12.877, 44.330



36, 19.627, 44.279



34, 15.423, 93.089



16, 1.760, 44.976



23, 48.641, 44.944



53, 91.571, 44.816

Inverse Universe

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



32, 10.274, 228.064



40, 14.704, 229.105



27, 15.813, 282.346



17, 1.680, 225.946



31, 23.861, 243.715



67, 43.142, 247.044

Previews

White Background



This preview shows how the CIELCh color 29, 12.878, 44.324 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 29, 12.878, 44.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

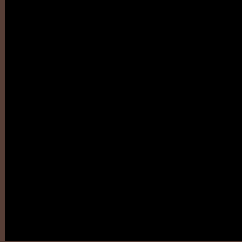
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 12.878, 44.324

Background



This preview shows how black text looks on a background with the CIELCh color 29, 12.878, 44.324.

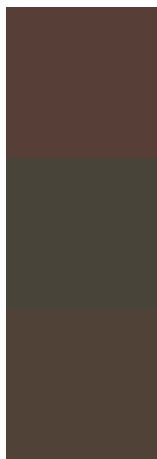


This preview shows how white text looks on a background with the CIELCh color 29, 12.878, 44.324.

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, 12.878, 44.324

Protanopia

29, 6.675, 92.610

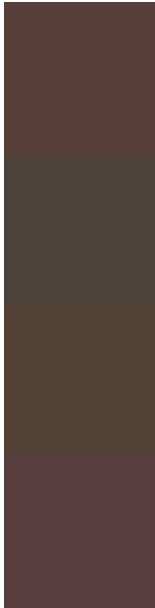
Deuteranopia

29, 10.330, 67.679



Tritanopia
29, 12.808, 7.456

Trichromacy



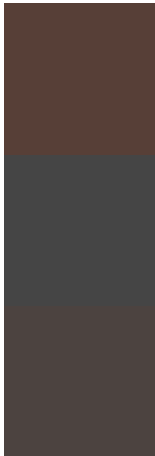
Original Color
29, 12.878, 44.324

Protanomaly
29, 7.832, 67.116

Deuteranomaly
29, 11.354, 58.414

Tritanomaly
29, 12.249, 21.576

Monochromacy



Original Color
29, 12.878, 44.324

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 4.564, 44.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 12.878, 44.324 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(87, 63, 55)` looks like.

```
.text, #text, p{  
    color:rgb(87, 63, 55)  
}
```

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(87, 63, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 63, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 12.878, 44.324 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(87, 63, 55) }
```

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

```
.border{ border-color:rgb(87, 63, 55) }
```

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

Here you see how a box with a 4 pixel rgb(87, 63, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 63, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 63, 55);  
box-shadow:4px 4px 4px 4px rgb(87, 63, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 12.878, 44.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 63, 55) }
```

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

```
.background{ background-color: rgb(87, 63,  
55) }
```

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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