

Converting Colors

CIELCh(29, 45.466, 31.269)

Have a look what the booklet for
CIELCh(29, 45.466, 31.269) contains.

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Color

CIELCh(29, 45.623, 31.497)

Conversions

Conversions Part 1

Format	Color
Hex	7F2422
RGB	127, 36, 34
RGB Percent	50%, 14%, 13%
CMY	0.5034, 0.8602, 0.8677
CMYK	0.00, 0.72, 0.73, 0.50
HSL	1°, 58%, 31%
HSV	1°, 73%, 50%
XYZ	9.6018, 5.8380, 2.1136
YIQ	62.9810, 54.8780, 18.6700

Conversions

Conversions Part 2

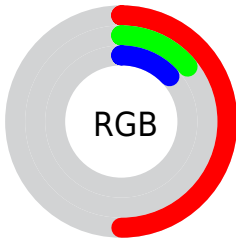
Format	Color
RYB	127, 36, 34
Decimal	8332322
CIELab	29.00, 38.90, 23.84
CIElCh	29, 45.623, 31.497
Yxy	5.8380, 0.5470, 0.3326
Android (android.graphics.Color)	4286522402 (0xFF7F2422)
YUV	62.9810, -14.2876, 56.1447
Hunter-Lab	24.1619, 28.6511, 11.7270

Details

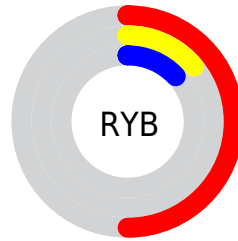
The CIELCh color **29, 45.623, 31.497** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **48, 26.327, 199.233**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 45.490, 31.200**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **27, 52.177, 34.596**, and if you desaturate by 10%, it is **31, 38.740, 28.823**.

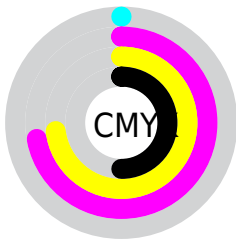
Distribution



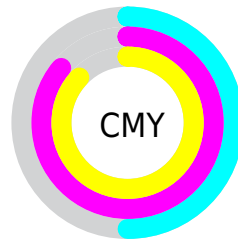
- Red (50%)
- Green (14%)
- Blue (13%)



- Red (50%)
- Yellow (14%)
- Blue (13%)



- Cyan (0%)
- Magenta (72%)
- Yellow (73%)
- Black (50%)



- Cyan (50%)
- Magenta (86%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 45.623, 31.497 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, 45.623, 31.497 by changing the saturation by 10% instead.

■ 29, 45.623, 31.497

■ 29, 45.623, 31.497

■ 100, 45.623,
31.497

■ 19, 45.623, 31.497

■ 49, 45.623, 31.497

■ 9, 45.623, 31.497

■ 59, 45.623, 31.497

■ 0, 45.623, 31.497

■ 69, 45.623, 31.497

■ 79, 45.623, 31.497

■ 89, 45.623, 31.497

■ 99, 45.623, 31.497

■ 29, 45.623, 31.497

■ 29, 45.623, 31.497

27, 52.177, 34.596

31, 38.740, 28.823

26, 57.593, 37.339

34, 31.829, 26.664

25, 60.456, 38.707

37, 25.087, 24.977

41, 18.646, 23.674

44, 12.583, 22.669

48, 6.928, 21.880

52, 1.679, 21.112

56, 3.186, 201.016

59, 7.698, 200.587

Harmonies

Complementary

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



29, 45.623, 31.497



48, 26.327, 199.233

Rectangle

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



29, 45.623, 31.497



29, 45.623, 81.497



29, 45.623, 211.497



29, 45.623, 261.497

Sweetspot

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



29, 45.621, 31.500



58, 14.720, 22.596



32, 59.239, 328.322



29, 10.052, 22.794



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



29, 45.621, 31.500



35, 68.345, 36.722



39, 37.608, 67.947



25, 2.891, 21.582



26, 60.808, 38.761



0, 0.000, 0.000

Inverse Universe

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



48, 26.327, 199.233



61, 34.508, 199.393



33, 31.655, 273.504



26, 2.735, 200.849



47, 29.140, 199.580



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 29, 45.623, 31.497 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, 45.623, 31.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

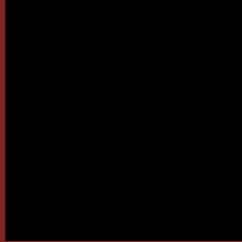
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 45.623, 31.497

Background



This preview shows how black text looks on a background with the CIELCh color 29, 45.623, 31.497.

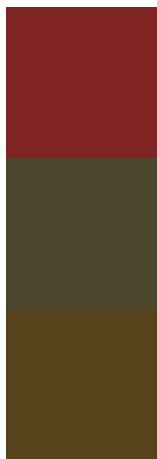


This preview shows how white text looks on a background with the CIELCh color 29, 45.623, 31.497.

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, 45.623, 31.497

Protanopia

30, 16.105, 96.492

Deuteranopia

29, 26.457, 80.770



Tritanopia
29, 45.102, 28.904

Trichromacy



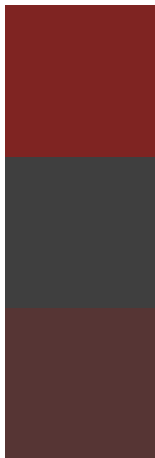
Original Color
29, 45.623, 31.497

Protanomaly
28, 22.045, 51.001

Deuteranomaly
28, 30.221, 53.336

Tritanomaly
29, 45.357, 29.625

Monochromacy



Original Color
29, 45.623, 31.497

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 16.193, 24.829

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 45.623, 31.497 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(127, 36, 34)` looks like.

```
.text, #text, p{  
    color:rgb(127, 36, 34)  
}
```

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(127, 36, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 36, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 45.623, 31.497 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(127, 36, 34) }
```

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

```
.border{ border-color:rgb(127, 36, 34) }
```

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

Here you see how a box with a 4 pixel rgb(127, 36, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 36, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 36, 34);  
box-shadow:4px 4px 4px 4px rgb(127, 36,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 45.623, 31.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 36, 34) }
```

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

```
.background{ background-color: rgb(127, 36,  
34) }
```

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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