

Converting Colors

CIELCh(29, 32.733, 26.280)

Have a look what the booklet for
CIELCh(29, 32.733, 26.280) contains.

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Color

CIELCh(29, 33.064, 26.438)

Conversions

Conversions Part 1

Format	Color
Hex	722F2F
RGB	114, 47, 47
RGB Percent	45%, 18%, 18%
CMY	0.5523, 0.8151, 0.8152
CMYK	0.00, 0.59, 0.59, 0.55
HSL	0°, 42%, 32%
HSV	0°, 59%, 45%
XYZ	8.4972, 5.8380, 3.3814
YIQ	67.0330, 39.9320, 14.2040

Conversions

Conversions Part 2

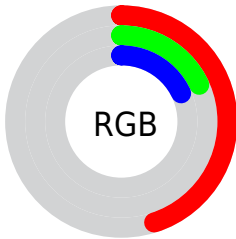
Format	Color
RYB	114, 47, 47
Decimal	7483183
CIELab	29.00, 29.61, 14.72
CIELCh	29, 33.064, 26.438
Yxy	5.8380, 0.4796, 0.3295
Android (android.graphics.Color)	4285673263 (0xFF722F2F)
YUV	67.0330, -9.8763, 41.1901
Hunter-Lab	24.1619, 20.4913, 8.6158

Details

The CIELCh color **29, 33.064, 26.438** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **44, 21.863, 197.023**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 32.726, 26.678**, and **9, 32.563, 26.474** is the 20% darker color. If you saturate the color by 10%, you get **27, 39.422, 29.002**, and if you desaturate by 10%, it is **32, 26.734, 24.411**.

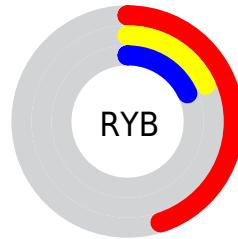
Distribution



Red (45%)

Green (18%)

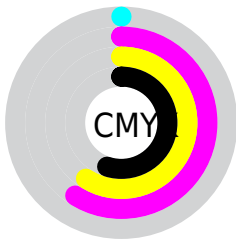
Blue (18%)



Red (45%)

Yellow (18%)

Blue (18%)

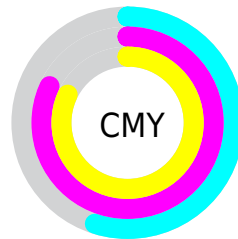


Cyan (0%)

Magenta (59%)

Yellow (59%)

Black (55%)



Cyan (55%)

Magenta (82%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 33.064, 26.438 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, 33.064, 26.438 by changing the saturation by 10% instead.

■ 29, 33.064, 26.438

■ 29, 33.064, 26.438

■ 100, 33.064,
26.438

■ 19, 33.064, 26.438

■ 49, 33.064, 26.438

■ 9, 33.064, 26.438

■ 59, 33.064, 26.438

■ 0, 33.064, 26.438

■ 69, 33.064, 26.438

■ 79, 33.064, 26.438

■ 89, 33.064, 26.438

■ 99, 33.064, 26.438

■ 29, 33.064, 26.438

■ 29, 33.064, 26.438

27, 39.422, 29.002

32, 26.734, 24.411

25, 45.594, 32.096

35, 20.597, 22.831

23, 51.094, 35.262

38, 14.758, 21.604

22, 55.129, 37.102

41, 9.273, 20.643

22, 55.645, 37.301

45, 4.161, 19.857

49, 0.588, 199.987

52, 4.995, 198.975

56, 9.092, 198.571

59, 12.911,
198.259

Harmonies

Complementary

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



29, 33.064, 26.438



44, 21.863, 197.023

Rectangle

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



29, 33.064, 26.438



29, 33.064, 76.438



29, 33.064, 206.438



29, 33.064, 256.438

Sweetspot

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



29, 33.062, 26.441



53, 11.015, 20.621



31, 46.699, 327.280



26, 7.670, 20.822



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



29, 33.062, 26.441



35, 49.851, 29.900



37, 26.996, 68.409



22, 2.648, 19.877



24, 57.998, 37.795



52, 102.187, 40.002

Inverse Universe

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



44, 21.863, 197.023



56, 29.694, 196.732



33, 22.948, 266.624



23, 2.510, 199.050



45, 28.665, 196.421



89, 48.955, 196.423

Previews

White Background



This preview shows how the CIE LCh color 29, 33.064, 26.438 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, 33.064, 26.438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

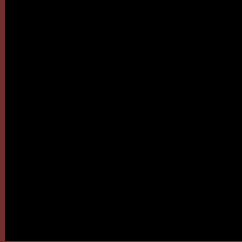
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 33.064, 26.438

Background



This preview shows how black text looks on a background with the CIELCh color 29, 33.064, 26.438.

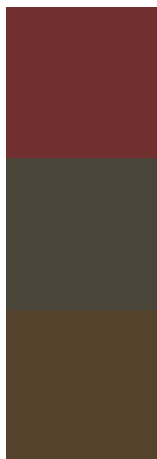


This preview shows how white text looks on a background with the CIELCh color 29, 33.064, 26.438.

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, 33.064, 26.438

Protanopia

29, 7.895, 94.874

Deuteranopia

29, 16.905, 74.930



Tritanopia
29, 32.522, 23.264

Trichromacy



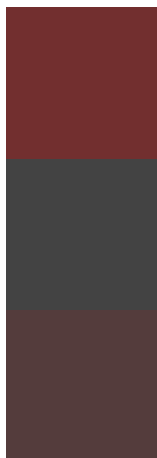
Original Color
29, 33.064, 26.438

Protanomaly
29, 14.369, 42.139

Deuteranomaly
29, 20.791, 47.150

Tritanomaly
29, 32.690, 24.336

Monochromacy



Original Color
29, 33.064, 26.438

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 11.351, 21.456

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 33.064, 26.438 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(114, 47, 47)` looks like.

```
.text, #text, p{  
    color:rgb(114, 47, 47)  
}
```

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(114, 47, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 47, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 33.064, 26.438 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(114, 47, 47) }
```

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

```
.border{ border-color:rgb(114, 47, 47) }
```

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

Here you see how a box with a 4 pixel rgb(114, 47, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 47, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 47, 47);  
box-shadow:4px 4px 4px 4px rgb(114, 47,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 33.064, 26.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 47, 47) }
```

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

```
.background{ background-color: rgb(114, 47,  
47) }
```

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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