

Converting Colors

CIELCh(29, 45.233, 30.249)

Have a look what the booklet for
CIELCh(29, 45.233, 30.249) contains.

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Color

CIELCh(29, 45.619, 30.334)

Conversions

Conversions Part 1

Format	Color
Hex	7F2323
RGB	127, 35, 35
RGB Percent	50%, 14%, 14%
CMY	0.5019, 0.8627, 0.8627
CMYK	0.00, 0.72, 0.72, 0.50
HSL	0°, 57%, 32%
HSV	0°, 72%, 50%
XYZ	9.6603, 5.8380, 2.2089
YIQ	62.5080, 54.8320, 19.5040

Conversions

Conversions Part 2

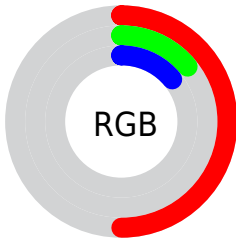
Format	Color
RYB	127, 35, 35
Decimal	8332067
CIELab	29.00, 39.37, 23.04
CIELCh	29, 45.619, 30.334
Yxy	5.8380, 0.5456, 0.3297
Android (android.graphics.Color)	4286522147 (0xFF7F2323)
YUV	62.5080, -13.5614, 56.5595
Hunter-Lab	24.1619, 29.0836, 11.4930

Details

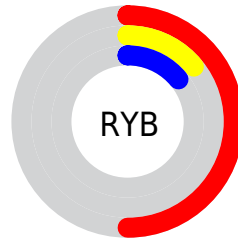
The CIELCh color **29, 45.619, 30.334** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **48, 26.863, 196.691**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 45.576, 29.930**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **27, 52.152, 33.660**, and if you desaturate by 10%, it is **31, 38.733, 27.496**.

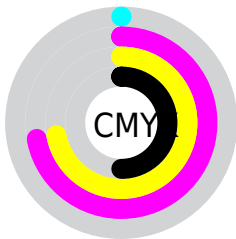
Distribution



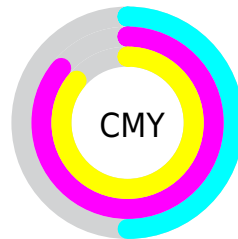
- Red (50%)
- Green (14%)
- Blue (14%)



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



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 45.619, 30.334 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, 45.619, 30.334 by changing the saturation by 10% instead.

 29, 45.619, 30.334

 29, 45.619, 30.334

 100, 45.619,
30.334

 19, 45.619, 30.334

 49, 45.619, 30.334

 9, 45.619, 30.334

 59, 45.619, 30.334

 0, 45.619, 30.334

 69, 45.619, 30.334

 79, 45.619, 30.334

 89, 45.619, 30.334

 99, 45.619, 30.334

 29, 45.619, 30.334

 29, 45.619, 30.334

27, 52.152, 33.660

31, 38.733, 27.496

26, 57.619, 36.765

34, 31.785, 25.216

25, 60.906, 38.317

37, 24.979, 23.436

41, 18.460, 22.058

45, 12.312, 20.988

48, 6.572, 20.138

52, 1.239, 19.235

56, 3.707, 199.153

60, 8.297, 198.689

Harmonies

Complementary

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



29, 45.619, 30.334



48, 26.863, 196.691

Rectangle

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



29, 45.619, 30.334



29, 45.619, 80.334



29, 45.619, 210.334



29, 45.619, 260.334

Sweetspot

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



29, 45.617, 30.337



58, 15.015, 20.996



32, 59.557, 327.759



29, 10.252, 21.213



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, 45.617, 30.337



35, 68.074, 35.944



39, 37.157, 66.530



25, 2.951, 19.883



25, 61.100, 38.349



0, 0.000, 0.000

Inverse Universe

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



48, 26.863, 196.691



62, 35.326, 196.477



34, 30.543, 271.382



26, 2.793, 199.025



48, 29.974, 196.401



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 29, 45.619, 30.334 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, 45.619, 30.334 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, 45.619, 30.334

Background



This preview shows how black text looks on a background with the CIELCh color 29, 45.619, 30.334.

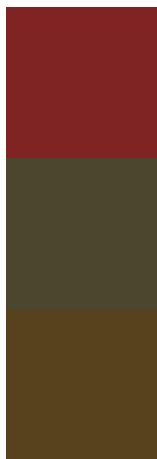


This preview shows how white text looks on a background with the CIELCh color 29, 45.619, 30.334.

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, 45.619, 30.334

Protanopia

30, 14.883, 95.927

Deuteranopia

29, 25.930, 80.400



Tritanopia
29, 45.357, 29.625

Trichromacy



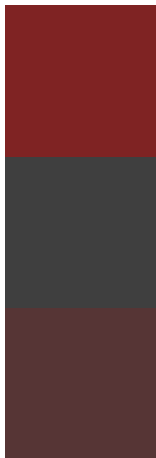
Original Color
29, 45.619, 30.334

Protanomaly
28, 21.886, 46.119

Deuteranomaly
29, 30.253, 52.115

Tritanomaly
29, 45.357, 29.625

Monochromacy



Original Color
29, 45.619, 30.334

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 16.073, 22.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 45.619, 30.334 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, 35, 35)` looks like.

```
.text, #text, p{  
    color:rgb(127, 35, 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(127, 35, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 35, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 45.619, 30.334 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, 35, 35) }
```

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

```
.border{ border-color:rgb(127, 35, 35) }
```

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

Here you see how a box with a 4 pixel rgb(127, 35, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 35, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 35, 35);  
box-shadow:4px 4px 4px 4px rgb(127, 35,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 45.619, 30.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 35, 35) }
```

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

```
.background{ background-color: rgb(127, 35,  
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](#).

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