

Converting Colors

CIELCh(29, 64.735, 40.808)

Have a look what the booklet for
CIELCh(29, 64.735, 40.808) contains.

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Color

CIELCh(29, 64.745, 40.660)

Conversions

Conversions Part 1

Format	Color
Hex	8C0D00
RGB	140, 13, 0
RGB Percent	55%, 5%, 0%
CMY	0.4517, 0.9502, 1.0000
CMYK	0.00, 0.91, 1.00, 0.45
HSL	5°, 100%, 27%
HSV	5°, 100%, 55%
XYZ	10.9214, 5.8380, 0.5463
YIQ	49.4910, 79.8650, 22.8810

Conversions

Conversions Part 2

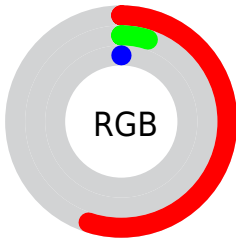
Format	Color
RYB	140, 14, 0
Decimal	9178368
CIELab	29.00, 49.11, 42.19
CIELCh	29, 64.745, 40.660
Yxy	5.8380, 0.6311, 0.3373
Android (android.graphics.Color)	4287368448 (0xFF8C0D00)
YUV	49.4910, -24.3991, 79.3764
Hunter-Lab	24.1619, 38.4001, 15.5728

Details

The CIELCh color **29, 64.745, 40.660** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **48, 28.801, 211.971**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 65.051, 40.514**, and **14, 40.789, 32.108** is the 20% darker color. If you saturate the color by 10%, you get **29, 64.700, 40.614**, and if you desaturate by 10%, it is **30, 59.347, 38.763**.

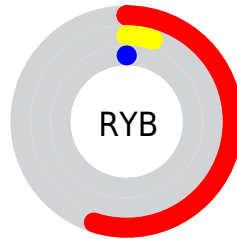
Distribution



Red (55%)

Green (5%)

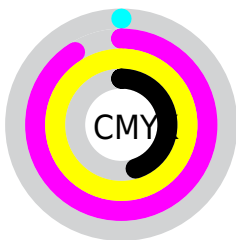
Blue (0%)



Red (55%)

Yellow (5%)

Blue (0%)

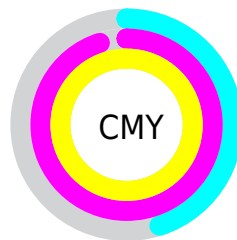


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (45%)



Cyan (45%)

Magenta (95%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 64.745, 40.660 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, 64.745, 40.660 by changing the saturation by 10% instead.

 29, 64.745, 40.660

 29, 64.745, 40.660

 100, 64.745,
40.660

 19, 64.745, 40.660

 49, 64.745, 40.660

 9, 64.745, 40.660

 59, 64.745, 40.660

 0, 64.745, 40.660

 69, 64.745, 40.660

 79, 64.745, 40.660

 89, 64.745, 40.660

 99, 64.745, 40.660

 29, 64.745, 40.660

 29, 64.745, 40.660

29, 64.700, 40.614

30, 59.347, 38.763

32, 52.537, 36.514

34, 45.133, 34.309

37, 37.657, 32.440

40, 30.373, 30.959

43, 23.428, 29.830

47, 16.903, 28.989

51, 10.829, 28.371

54, 5.202, 27.903

Harmonies

Complementary

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



29, 64.745, 40.660



48, 28.801, 211.971

Rectangle

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



29, 64.745, 40.660



29, 64.745, 90.660



29, 64.745, 220.660



29, 64.745, 270.660

Sweetspot

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



29, 64.700, 40.614



60, 20.927, 29.035



32, 69.322, 331.766



29, 14.601, 29.324



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



29, 64.700, 40.614



38, 79.513, 41.056



40, 53.014, 68.709



27, 2.889, 27.865



27, 61.890, 40.371



0, 1.297, 27.687

Inverse Universe

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



48, 28.801, 211.971



62, 34.772, 212.342



27, 52.938, 290.232



28, 2.729, 207.597



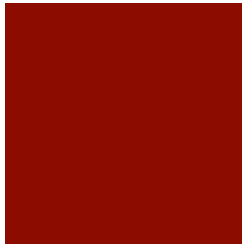
46, 27.727, 211.885



1, 1.297, 207.706

Previews

White Background



This preview shows how the CIELCh color 29, 64.745, 40.660 looks on a white background.

Color Contrast Check

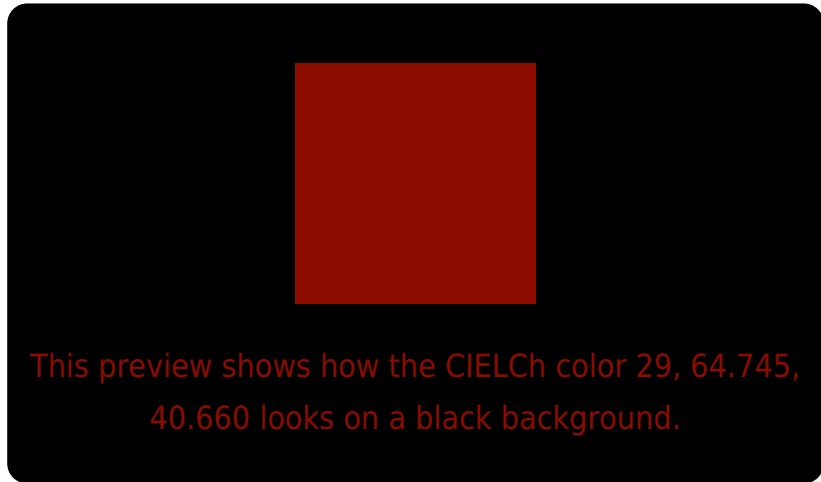
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 64.745, 40.660

Background



This preview shows how black text looks on a background with the CIELCh color 29, 64.745, 40.660.



This preview shows how white text looks on a background with the CIELCh color 29, 64.745, 40.660.

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, 64.745, 40.660

Protanopia

30, 31.806, 95.611

Deuteranopia

30, 39.309, 84.507



Tritanopia
29, 63.757, 39.523

Trichromacy



Original Color
29, 64.745, 40.660

Protanomaly
27, 38.942, 58.134

Deuteranomaly
27, 45.467, 57.109

Tritanomaly
29, 64.002, 39.811

Monochromacy



Original Color
29, 64.745, 40.660

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 24.914, 32.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 64.745, 40.660 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(140, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(140, 13, 0)  
}
```

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(140, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 13, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 64.745, 40.660 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(140, 13, 0) }
```

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

```
.border{ border-color:rgb(140, 13, 0) }
```

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

Here you see how a box with a 4 pixel rgb(140, 13, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(140, 13, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 64.745, 40.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 13, 0) }
```

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

```
.background{ background-color: rgb(140, 13,  
0) }
```

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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