

Converting Colors

CIELCh(29, 54.823, 24.969)

Have a look what the booklet for
CIELCh(29, 54.823, 24.969) contains.

CIELCh(29, 54.672, 24.674)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(29, 54.672, 24.674)

Conversions

Conversions Part 1

Format	Color
Hex	8A0D24
RGB	138, 13, 36
RGB Percent	54%, 5%, 14%
CMY	0.4575, 0.9506, 0.8579
CMYK	0.00, 0.91, 0.74, 0.46
HSL	349°, 83%, 30%
HSV	349°, 91%, 54%
XYZ	10.9978, 5.8380, 2.2353
YIQ	52.9970, 67.1170, 33.6530

Conversions

Conversions Part 2

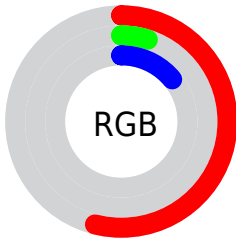
Format	Color
R _Y B	138, 13, 36
Decimal	9047332
CIE Lab	29.00, 49.68, 22.82
CIE LCh	29, 54.672, 24.674
Yxy	5.8380, 0.5767, 0.3061
Android (android.graphics.Color)	4287237412 (0xFF8A0D24)
YUV	52.9970, -8.3795, 74.5476
Hunter-Lab	24.1619, 38.9644, 11.4283

Details

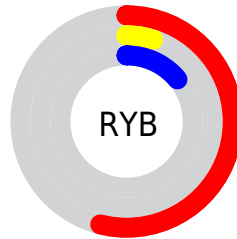
The CIELCh color **29, 54.672, 24.674** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **51, 37.171, 173.991**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 54.607, 25.195**, and **14, 40.789, 32.108** is the 20% darker color. If you saturate the color by 10%, you get **28, 58.708, 28.934**, and if you desaturate by 10%, it is **30, 49.925, 20.142**.

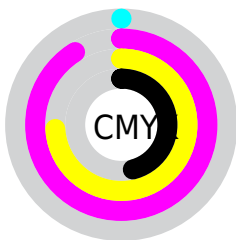
Distribution



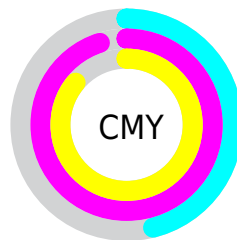
- Red (54%)
- Green (5%)
- Blue (14%)



- Red (54%)
- Yellow (5%)
- Blue (14%)



- Cyan (0%)
- Magenta (91%)
- Yellow (74%)
- Black (46%)



- Cyan (46%)
- Magenta (95%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 54.672, 24.674 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, 54.672, 24.674 by changing the saturation by 10% instead.

 29, 54.672, 24.674

 29, 54.672, 24.674

 100, 54.672,
24.674

 19, 54.672, 24.674

 49, 54.672, 24.674

 9, 54.672, 24.674

 59, 54.672, 24.674

 0, 54.672, 24.674

 69, 54.672, 24.674

 79, 54.672, 24.674

 89, 54.672, 24.674

 99, 54.672, 24.674

 29, 54.672, 24.674

 29, 54.672, 24.674

28, 58.708, 28.934

30, 49.925, 20.142

32, 44.464, 16.379

35, 38.400, 13.358

38, 31.950, 10.957

42, 25.349, 9.037

45, 18.796, 7.481

49, 12.425, 6.193

53, 6.317, 5.093

57, 0.510, 3.477

Harmonies

Complementary

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



29, 54.672, 24.674



51, 37.171, 173.991

Rectangle

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



29, 54.672, 24.674



29, 54.672, 74.674



29, 54.672, 204.674



29, 54.672, 254.674

Sweetspot

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



29, 54.670, 24.676



60, 20.311, 7.030



28, 72.025, 321.156



30, 13.884, 7.435



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, 54.670, 24.676



38, 72.371, 30.250



33, 53.886, 48.344



27, 3.243, 4.911



27, 56.817, 28.693



0, 1.471, 4.162

Inverse Universe

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



29, 54.670, 24.676



38, 72.371, 30.250



40, 29.148, 250.776



27, 3.243, 4.911



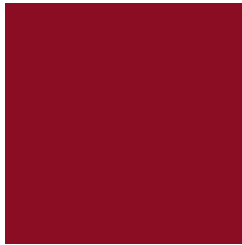
27, 56.817, 28.693



0, 1.471, 4.162

Previews

White Background



This preview shows how the CIELCh color 29, 54.672, 24.674 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, 54.672, 24.674 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, 54.672, 24.674

Background



This preview shows how black text looks on a background with the CIELCh color 29, 54.672, 24.674.



This preview shows how white text looks on a background with the CIELCh color 29, 54.672, 24.674.

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, 54.536, 24.828

Protanopia

30, 11.057, 95.614

Deuteranopia

30, 26.407, 80.863



Tritanopia
29, 59.268, 36.319

Trichromacy



Original Color
29, 54.536, 24.828

Protanomaly
27, 24.501, 27.280

Deuteranomaly
27, 33.379, 41.177

Tritanomaly
29, 57.524, 32.723

Monochromacy



Original Color
29, 54.536, 24.828

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 22.815, 10.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 54.672, 24.674 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(138, 13, 36)` looks like.

```
.text, #text, p{  
  color:rgb(138, 13, 36)  
}
```

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(138, 13, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 13, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 54.672, 24.674 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(138, 13, 36) }
```

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

```
.border{ border-color:rgb(138, 13, 36) }
```

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

Here you see how a box with a 4 pixel rgb(138, 13, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 13, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 13, 36);  
box-shadow:4px 4px 4px 4px rgb(138, 13,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 54.672, 24.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 13, 36) }
```

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

```
.background{ background-color: rgb(138, 13,  
36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor