

Converting Colors

CIELCh(28, 36.014, 8.993)

Have a look what the booklet for
CIELCh(28, 36.014, 8.993) contains.

CIELCh(28, 36.014, 8.993)	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(28, 36.014, 8.993)

Conversions

Conversions Part 1

Format	Color
Hex	74273B
RGB	116, 39, 59
RGB Percent	45%, 15%, 23%
CMY	0.5457, 0.8476, 0.7691
CMYK	0.00, 0.66, 0.49, 0.55
HSL	344°, 50%, 30%
HSV	344°, 66%, 45%
XYZ	8.6873, 5.4574, 4.7150
YIQ	64.3030, 39.4720, 22.5440

Conversions

Conversions Part 2

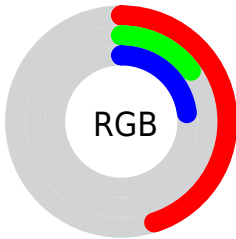
Format	Color
R_{YB}	116, 39, 59
Decimal	7612219
CIE Lab	28.00, 35.57, 5.63
CIE LCh	28, 36.014, 8.993
Yxy	5.4574, 0.4606, 0.2894
Android (android.graphics.Color)	4285802299 (0xFF74273B)
YUV	64.3030, -2.6144, 45.3383
Hunter-Lab	23.3610, 25.4975, 4.3860

Details

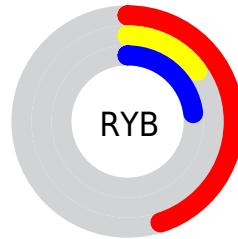
The CIELCh color **28, 36.014, 8.993** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **44, 28.960, 171.659**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 35.752, 9.058**, and **10, 31.327, 14.537** is the 20% darker color. If you saturate the color by 10%, you get **26, 40.653, 12.123**, and if you desaturate by 10%, it is **30, 30.823, 6.498**.

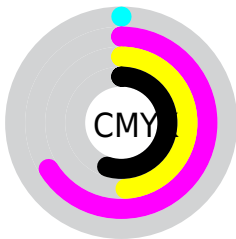
Distribution



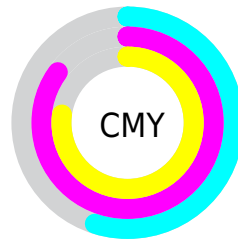
- Red (45%)
- Green (15%)
- Blue (23%)



- Red (45%)
- Yellow (15%)
- Blue (23%)



- Cyan (0%)
- Magenta (66%)
- Yellow (49%)
- Black (55%)




- Cyan (55%)
- Magenta (85%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 36.014, 8.993 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 28, 36.014, 8.993 by changing the saturation by 10% instead.

 28, 36.014, 8.993  28, 36.014, 8.993

 100, 36.014, 8.993  18, 36.014, 8.993

 48, 36.014, 8.993  8, 36.014, 8.993

 58, 36.014, 8.993  0, 36.014, 8.993

 68, 36.014, 8.993

 78, 36.014, 8.993

 88, 36.014, 8.993

 98, 36.014, 8.993

 28, 36.014, 8.993  28, 36.014, 8.993

 26, 40.653, 12.123  30, 30.823, 6.498

24, 44.582, 16.015

33, 25.305, 4.490

23, 47.940, 20.531

36, 19.662, 2.850

23, 49.212, 22.028

40, 14.049, 1.484

43, 8.573, 0.319

46, 3.293, 359.268

50, 1.760, 178.691

54, 6.579, 177.789

57, 11.169,
177.085

Harmonies

Complementary

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



28, 36.014, 8.993



44, 28.960, 171.659

Rectangle

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



28, 36.014, 8.993



28, 36.014, 58.993



28, 36.014, 188.993



28, 36.014, 238.993

Sweetspot

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



28, 36.012, 8.995



54, 13.011, 0.771



27, 50.991, 319.196



27, 8.985, 1.030



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



28, 36.012, 8.995



34, 51.873, 14.194



31, 33.333, 43.326



23, 2.916, 359.540



25, 51.299, 22.396



53, 88.908, 25.798

Inverse Universe

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



28, 36.012, 8.995



34, 51.873, 14.194



39, 20.476, 230.517



23, 2.916, 359.540



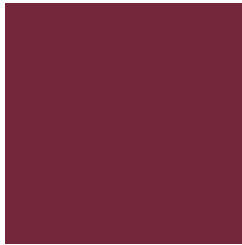
25, 51.299, 22.396



53, 88.908, 25.798

Previews

White Background



This preview shows how the CIE LCh color 28, 36.014, 8.993 looks on a white background.

Color Contrast Check

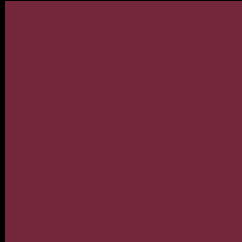
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 36.014, 8.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

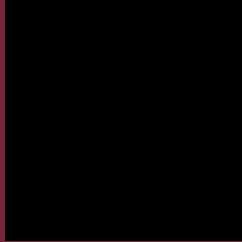
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 36.014, 8.993

Background



This preview shows how black text looks on a background with the CIELCh color 28, 36.014, 8.993.



This preview shows how white text looks on a background with the CIELCh color 28, 36.014, 8.993.

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

28, 36.014, 8.993

Protanopia

29, 4.533, 285.668

Deuteranopia

29, 9.027, 65.077



Tritanopia
28, 35.901, 25.696

Trichromacy



Original Color
28, 36.014, 8.993

Protanomaly
27, 14.042, 351.961

Deuteranomaly
28, 17.838, 20.865

Tritanomaly
28, 35.425, 20.076

Monochromacy



Original Color
28, 36.014, 8.993

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 13.698, 2.989

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 36.014, 8.993 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(116, 39, 59)` looks like.

```
.text, #text, p{  
    color:rgb(116, 39, 59)  
}
```

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(116, 39, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 39, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 36.014, 8.993 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(116, 39, 59) }
```

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

```
.border{ border-color:rgb(116, 39, 59) }
```

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

Here you see how a box with a 4 pixel rgb(116, 39, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 39, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 39, 59);  
box-shadow:4px 4px 4px 4px rgb(116, 39,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 36.014, 8.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 39, 59) }
```

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

```
.background{ background-color: rgb(116, 39,  
59) }
```

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