

Converting Colors

CIELCh(28, 57.252, 32.755)

Have a look what the booklet for
CIELCh(28, 57.252, 32.755) contains.

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Color

CIELCh(28, 57.434, 32.792)

Conversions

Conversions Part 1

Format	Color
Hex	870C15
RGB	135, 12, 21
RGB Percent	53%, 5%, 8%
CMY	0.4709, 0.9534, 0.9179
CMYK	0.00, 0.91, 0.84, 0.47
HSL	356°, 84%, 29%
HSV	356°, 91%, 53%
XYZ	10.2426, 5.4574, 1.2202
YIQ	49.8030, 70.4190, 28.8750

Conversions

Conversions Part 2

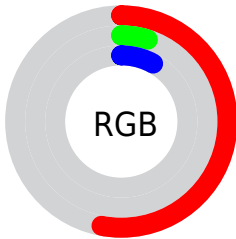
Format	Color
R_{YB}	135, 12, 21
Decimal	8850453
CIE _{Lab}	28.00, 48.28, 31.11
CIE _{LCh}	28, 57.434, 32.792
Yxy	5.4574, 0.6053, 0.3225
Android (android.graphics.Color)	4287040533 (0xFF870C15)
YUV	49.8030, -14.1999, 74.7178
Hunter-Lab	23.3610, 37.3815, 13.2559

Details

The CIELCh color **28, 57.434, 32.792** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **51, 32.418, 186.725**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 57.446, 32.872**, and **13, 38.975, 31.113** is the 20% darker color. If you saturate the color by 10%, you get **27, 61.749, 35.797**, and if you desaturate by 10%, it is **29, 51.741, 28.678**.

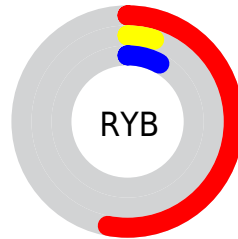
Distribution



Red (53%)

Green (5%)

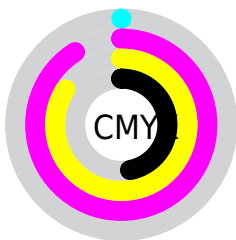
Blue (8%)



Red (53%)

Yellow (5%)

Blue (8%)

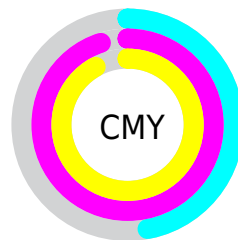


Cyan (0%)

Magenta (91%)

Yellow (84%)

Black (47%)



Cyan (47%)

Magenta (95%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 57.434, 32.792 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, 57.434, 32.792 by changing the saturation by 10% instead.

■ 28, 57.434, 32.792

■ 28, 57.434, 32.792

■ 100, 57.434,
32.792

■ 18, 57.434, 32.792

■ 48, 57.434, 32.792

■ 8, 57.434, 32.792

■ 58, 57.434, 32.792

■ 0, 57.434, 32.792

■ 68, 57.434, 32.792

■ 78, 57.434, 32.792

■ 88, 57.434, 32.792

■ 98, 57.434, 32.792

■ 28, 57.434, 32.792

■ 28, 57.434, 32.792

27, 61.749, 35.797

29, 51.741, 28.678

31, 45.423, 25.034

34, 38.723, 22.037

37, 31.863, 19.651

40, 25.048, 17.771

44, 18.441, 16.284

48, 12.143, 15.091

52, 6.206, 14.105

56, 0.643, 12.758

Harmonies

Complementary

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



28, 57.434, 32.792



51, 32.418, 186.725

Rectangle

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



28, 57.434, 32.792



28, 57.434, 82.792



28, 57.434, 212.792



28, 57.434, 262.792

Sweetspot

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



28, 57.432, 32.794



58, 19.609, 15.826



30, 70.185, 325.155



29, 13.437, 16.196



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



28, 57.432, 32.794



36, 76.071, 36.945



35, 50.182, 56.447



26, 3.060, 13.914



26, 59.936, 35.528



0, 0.712, 13.297

Inverse Universe

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



28, 57.432, 32.794



36, 76.071, 36.945



34, 34.331, 269.241



26, 3.060, 13.914



26, 59.936, 35.528



0, 0.712, 13.297

Previews

White Background



This preview shows how the CIELCh color 28, 57.434, 32.792 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 28, 57.434, 32.792 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, 57.434, 32.792

Background



This preview shows how black text looks on a background with the CIELCh color 28, 57.434, 32.792.



This preview shows how white text looks on a background with the CIELCh color 28, 57.434, 32.792.

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, 57.434, 32.792

Protanopia

29, 22.207, 96.610

Deuteranopia

29, 38.375, 84.821



Tritanopia
28, 60.459, 38.035

Trichromacy



Original Color
28, 57.434, 32.792

Protanomaly
26, 29.919, 47.109

Deuteranomaly
26, 41.358, 55.031

Tritanomaly
28, 59.603, 36.529

Monochromacy



Original Color
28, 57.434, 32.792

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 22.796, 20.403

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 57.434, 32.792 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(135, 12, 21)` looks like.

```
.text, #text, p{  
    color:rgb(135, 12, 21)  
}
```

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(135, 12, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 12, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 57.434, 32.792 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(135, 12, 21) }
```

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

```
.border{ border-color:rgb(135, 12, 21) }
```

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

Here you see how a box with a 4 pixel rgb(135, 12, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 12, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 12, 21);  
box-shadow:4px 4px 4px 4px rgb(135, 12,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 57.434, 32.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 12, 21) }
```

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

```
.background{ background-color: rgb(135, 12,  
21) }
```

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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