

Converting Colors

CIELCh(28, 50.718, 32.647)

Have a look what the booklet for
CIELCh(28, 50.718, 32.647) contains.

CIELCh(28, 50.737, 32.732)	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, 50.737, 32.732)

Conversions

Conversions Part 1

Format	Color
Hex	801A1A
RGB	128, 26, 26
RGB Percent	50%, 10%, 10%
CMY	0.4964, 0.8962, 0.8969
CMYK	0.00, 0.79, 0.80, 0.50
HSL	0°, 66%, 30%
HSV	0°, 80%, 50%
XYZ	9.5362, 5.4574, 1.5458
YIQ	56.4980, 60.7920, 21.6240

Conversions

Conversions Part 2

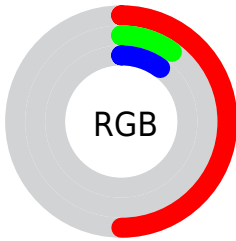
Format	Color
RYB	128, 26, 26
Decimal	8395290
CIELab	28.00, 42.68, 27.43
CIElCh	28, 50.737, 32.732
Yxy	5.4574, 0.5766, 0.3300
Android (android.graphics.Color)	4286585370 (0xFF801A1A)
YUV	56.4980, -15.0355, 62.7073
Hunter-Lab	23.3610, 31.9837, 12.4294

Details

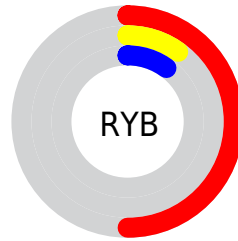
The CIELCh color **28, 50.737, 32.732** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **49, 28.199, 196.757**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 50.550, 32.818**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **27, 56.763, 36.117**, and if you desaturate by 10%, it is **30, 43.998, 29.538**.

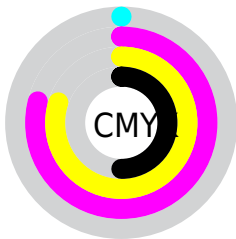
Distribution



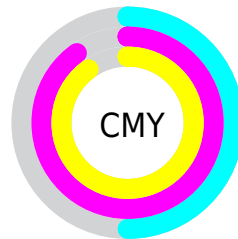
- Red (50%)
- Green (10%)
- Blue (10%)



- Red (50%)
- Yellow (10%)
- Blue (10%)



- Cyan (0%)
- Magenta (79%)
- Yellow (80%)
- Black (50%)



- Cyan (50%)
- Magenta (90%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 50.737, 32.732 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, 50.737, 32.732 by changing the saturation by 10% instead.

■ 28, 50.737, 32.732

■ 28, 50.737, 32.732

■ 100, 50.737,
32.732

■ 18, 50.737, 32.732

■ 48, 50.737, 32.732

■ 8, 50.737, 32.732

■ 58, 50.737, 32.732

■ 0, 50.737, 32.732

■ 68, 50.737, 32.732

■ 78, 50.737, 32.732

■ 88, 50.737, 32.732

■ 98, 50.737, 32.732

■ 28, 50.737, 32.732

■ 28, 50.737, 32.732

■ 27, 56.763, 36.117

■ 30, 43.998, 29.538

■ 26, 61.239, 38.344

■ 33, 37.007, 26.868

■ 26, 61.452, 38.437

■ 36, 30.021, 24.748

■ 39, 23.230, 23.099

■ 42, 16.759, 21.825

■ 46, 10.680, 20.832

■ 50, 5.015, 20.029

■ 54, 0.243, 201.155

■ 58, 5.118, 199.118

Harmonies

Complementary

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



28, 50.737, 32.732



49, 28.199, 196.757

Rectangle

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



28, 50.737, 32.732



28, 50.737, 82.732



28, 50.737, 212.732



28, 50.737, 262.732

Sweetspot

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



28, 50.735, 32.734



57, 16.483, 21.301



32, 63.544, 327.937



28, 11.540, 21.612



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



28, 50.735, 32.734



35, 72.803, 38.430



38, 41.352, 65.479



25, 2.947, 19.996



25, 61.080, 38.377



0, 0.000, 0.000

Inverse Universe

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



49, 28.199, 196.757



62, 35.911, 196.632



32, 33.674, 274.105



26, 2.789, 199.147



48, 29.915, 196.611



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 28, 50.737, 32.732 looks on a white background.

Color Contrast Check

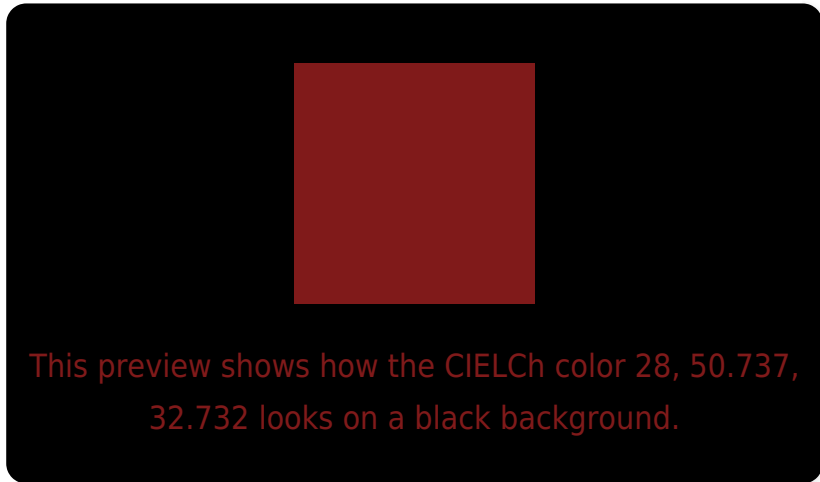
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 50.737, 32.732

Background



This preview shows how black text looks on a background with the CIELCh color 28, 50.737, 32.732.

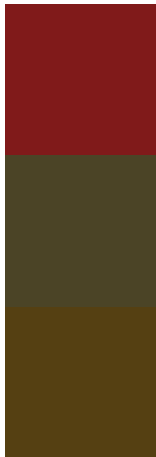


This preview shows how white text looks on a background with the CIELCh color 28, 50.737, 32.732.

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, 50.737, 32.732

Protanopia

29, 19.300, 95.843

Deuteranopia

28, 30.526, 82.818



Tritanopia
28, 50.447, 32.131

Trichromacy



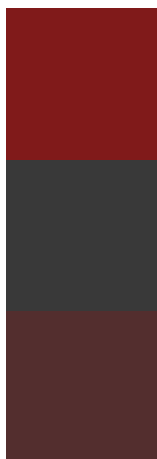
Original Color
28, 50.737, 32.732

Protanomaly
27, 25.613, 50.400

Deuteranomaly
27, 34.672, 53.734

Tritanomaly
28, 50.447, 32.131

Monochromacy



Original Color
28, 50.737, 32.732

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 18.476, 23.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 50.737, 32.732 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(128, 26, 26)` looks like.

```
.text, #text, p{  
  color:rgb(128, 26, 26)  
}
```

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(128, 26, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 26, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 50.737, 32.732 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(128, 26, 26) }
```

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

```
.border{ border-color:rgb(128, 26, 26) }
```

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

Here you see how a box with a 4 pixel rgb(128, 26, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 26, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 26, 26);  
box-shadow:4px 4px 4px 4px rgb(128, 26,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 50.737, 32.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 26, 26) }
```

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

```
.background{ background-color: rgb(128, 26,  
26) }
```

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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