

Converting Colors

CIELCh(28, 13.198, 107.488)

Have a look what the booklet for
CIELCh(28, 13.198, 107.488)
contains.

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Color

CIELCh(28, 12.790, 107.634)

Conversions

Conversions Part 1

Format	Color
Hex	43432F
RGB	67, 67, 47
RGB Percent	26%, 26%, 18%
CMY	0.7362, 0.7362, 0.8147
CMYK	0.00, 0.00, 0.30, 0.74
HSL	60°, 17%, 22%
HSV	60°, 30%, 26%
XYZ	4.8756, 5.4574, 3.5135
YIQ	64.7200, 6.4200, -6.2200

Conversions

Conversions Part 2

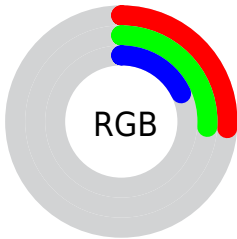
Format	Color
RYB	47, 67, 47
Decimal	4408111
CIELab	28.00, -3.87, 12.19
CIELCh	28, 12.790, 107.634
Yxy	5.4574, 0.3521, 0.3941
Android (android.graphics.Color)	4282598191 (0xFF43432F)
YUV	64.7200, -8.7360, 1.9996
Hunter-Lab	23.3610, -3.6276, 7.4356

Details

The CIELCh color **28, 12.790, 107.634** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 13.615, 293.302**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 12.869, 108.422**, and **8, 12.138, 107.644** is the 20% darker color. If you saturate the color by 10%, you get **28, 16.978, 106.795**, and if you desaturate by 10%, it is **28, 8.526, 108.492**.

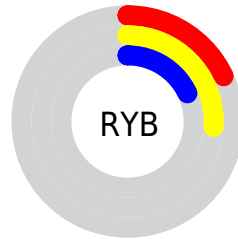
Distribution



Red (26%)

Green (26%)

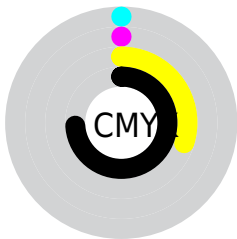
Blue (18%)



Red (18%)

Yellow (26%)

Blue (18%)

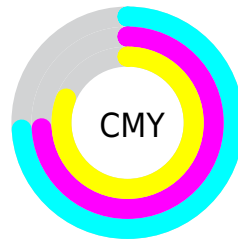


Cyan (0%)

Magenta (0%)

Yellow (30%)

Black (74%)



Cyan (74%)

Magenta (74%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 12.790, 107.634 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, 12.790, 107.634 by changing the saturation by 10% instead.

 28, 12.790,
107.634


 28, 12.790,
107.634

 100, 12.790,
107.634


 18, 12.790,
107.634


 48, 12.790,
107.634

 8, 12.790, 107.634

 58, 12.790,
107.634

 0, 12.790, 107.634

 68, 12.790,
107.634

 78, 12.790,
107.634

 88, 12.790,
107.634

 98, 12.790,

107.634

■ 28, 12.790,
107.634

■ 28, 12.790,
107.634

■ 28, 16.978,
106.795

■ 28, 8.526, 108.492

■ 28, 4.218, 109.343

■ 28, 21.040,
105.980

■ 29, 0.113, 290.459

■ 28, 24.904,
105.210

■ 29, 4.450, 291.032

■ 28, 28.471,
104.508

■ 29, 8.783, 291.834

■ 28, 31.604,
103.902

■ 29, 13.103,
292.612

■ 27, 34.253,
103.398

■ 30, 17.405,
293.360

■ 27, 36.961,
102.921

■ 30, 21.685,
294.075

■ 27, 37.028,
102.910

■ 30, 25.937,
294.757

Harmonies

Complementary

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



28, 12.790, 107.634



20, 13.615, 293.302

Rectangle

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



28, 12.790, 107.634



28, 12.790, 157.634



28, 12.790, 287.634



28, 12.790, 337.634

Sweetspot

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



28, 12.791, 107.638



37, 4.807, 109.376



22, 9.811, 20.190



18, 3.287, 109.319



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



28, 12.791, 107.638



36, 19.018, 106.988



27, 13.661, 127.260



13, 2.377, 109.450



40, 47.702, 102.847



87, 87.982, 102.847

Inverse Universe

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



20, 13.615, 293.302



25, 20.638, 294.352



21, 14.186, 309.770



11, 2.420, 290.941



8, 65.859, 306.281



28, 121.491, 306.286

Previews

White Background



This preview shows how the CIELCh color 28, 12.790, 107.634 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, 12.790, 107.634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

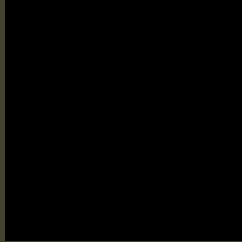
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 12.790, 107.634

Background



This preview shows how black text looks on a background with the CIELCh color 28, 12.790, 107.634.

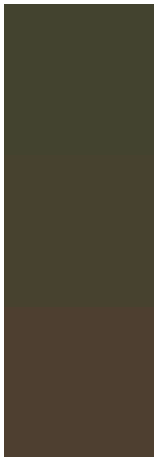


This preview shows how white text looks on a background with the CIELCh color 28, 12.790, 107.634.

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, 12.790, 107.634

Protanopia

28, 12.437, 96.355

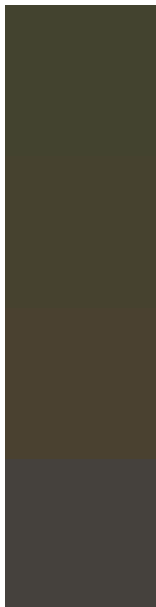
Deuteranopia

28, 12.318, 71.092



Tritanopia
28, 4.210, 329.816

Trichromacy



Original Color
28, 12.790, 107.634

Protanomaly
28, 12.345, 98.600

Deuteranomaly
28, 11.833, 86.002

Tritanomaly
28, 3.164, 74.116

Monochromacy



Original Color
28, 12.790, 107.634

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 4.515, 109.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 12.790, 107.634 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(67, 67, 47)` looks like.

```
.text, #text, p{  
    color:rgb(67, 67, 47)  
}
```

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(67, 67, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 67, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 12.790, 107.634 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(67, 67, 47) }
```

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

```
.border{ border-color:rgb(67, 67, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 67, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 67, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 67, 47);  
box-shadow:4px 4px 4px 4px rgb(67, 67, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 12.790, 107.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 67, 47) }
```

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

```
.background{ background-color: rgb(67, 67,  
47) }
```

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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