

Converting Colors

CIELCh(28, 13.746, 94.472)

Have a look what the booklet for
CIELCh(28, 13.746, 94.472) contains.

CIELCh(28, 13.785, 95.031)	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, 13.785, 95.031)

Conversions

Conversions Part 1

Format	Color
Hex	48422D
RGB	72, 66, 45
RGB Percent	28%, 26%, 18%
CMY	0.7178, 0.7413, 0.8237
CMYK	0.00, 0.08, 0.38, 0.72
HSL	47°, 23%, 23%
HSV	47°, 38%, 28%
XYZ	5.0885, 5.4574, 3.2642
YIQ	65.4000, 10.3170, -5.2590

Conversions

Conversions Part 2

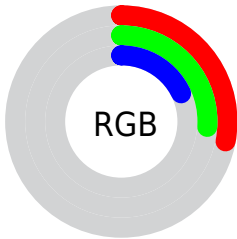
Format	Color
RYB	53, 72, 45
Decimal	4735533
CIELab	28.00, -1.21, 13.73
CIElCh	28, 13.785, 95.031
Yxy	5.4574, 0.3685, 0.3952
Android (android.graphics.Color)	4282925613 (0xFF48422D)
YUV	65.4000, -10.0572, 5.7882
Hunter-Lab	23.3610, -2.0008, 8.0682

Details

The CIELCh color **28, 13.785, 95.031** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 14.256, 283.994**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 13.810, 95.501**, and **8, 12.024, 90.580** is the 20% darker color. If you saturate the color by 10%, you get **27, 17.462, 93.913**, and if you desaturate by 10%, it is **29, 10.088, 96.137**.

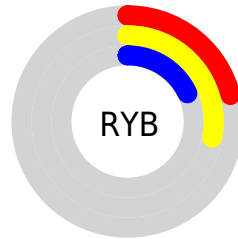
Distribution



Red (28%)

Green (26%)

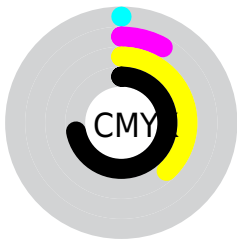
Blue (18%)



Red (21%)

Yellow (28%)

Blue (18%)

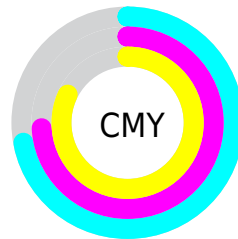


Cyan (0%)

Magenta (8%)

Yellow (38%)

Black (72%)



Cyan (72%)

Magenta (74%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 13.785, 95.031 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, 13.785, 95.031 by changing the saturation by 10% instead.

■ 28, 13.785, 95.031

■ 28, 13.785, 95.031

■ 100, 13.785,
95.031

■ 18, 13.785, 95.031

■ 48, 13.785, 95.031

■ 8, 13.785, 95.031

■ 58, 13.785, 95.031

■ 0, 13.785, 95.031

■ 68, 13.785, 95.031

■ 78, 13.785, 95.031

■ 88, 13.785, 95.031

■ 98, 13.785, 95.031

■ 28, 13.785, 95.031

■ 28, 13.785, 95.031

■ 27, 17.462, 93.913

■ 29, 10.088, 96.137

■ 27, 21.069, 92.773

■ 29, 6.398, 97.211

■ 26, 24.528, 91.615

■ 30, 2.730, 98.243

■ 26, 27.713, 90.431

■ 31, 0.905, 279.382

■ 25, 30.424, 89.205

■ 31, 4.503, 280.292

■ 24, 32.845, 88.072

■ 32, 8.064, 281.228

■ 24, 33.447, 87.816

■ 33, 11.586,
282.130

■ 34, 15.071,
282.994

■ 35, 18.519,
283.818

Harmonies

Complementary

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



28, 13.785, 95.031



22, 14.256, 283.994

Rectangle

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



28, 13.785, 95.031



28, 13.785, 145.031



28, 13.785, 275.031



28, 13.785, 325.031

Sweetspot

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



28, 13.786, 95.036



39, 5.015, 97.845



22, 13.530, 4.625



19, 3.399, 97.783



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 13.786, 95.036



36, 20.704, 93.993



29, 17.361, 118.496



14, 2.013, 98.137



34, 42.660, 87.046



75, 77.435, 85.663

Inverse Universe

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



22, 14.256, 283.994



26, 21.677, 285.670



20, 18.641, 303.030



13, 2.031, 279.983



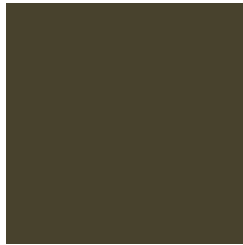
13, 54.100, 299.910



34, 105.778, 302.043

Previews

White Background



This preview shows how the CIELCh color 28, 13.785, 95.031 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, 13.785, 95.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

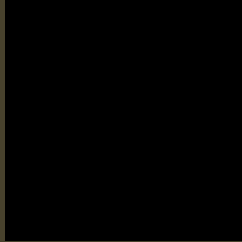
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 13.785, 95.031

Background



This preview shows how black text looks on a background with the CIELCh color 28, 13.785, 95.031.

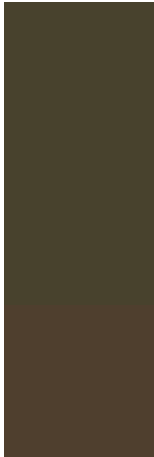


This preview shows how white text looks on a background with the CIELCh color 28, 13.785, 95.031.

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

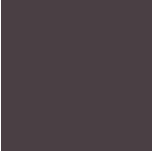
28, 13.785, 95.031

Protanopia

28, 13.785, 95.031

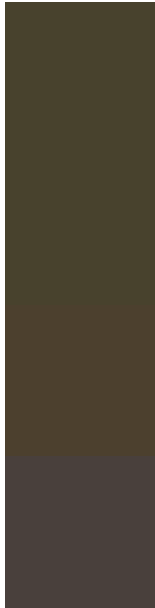
Deuteranopia

28, 13.707, 72.246



Tritanopia
28, 5.906, 347.324

Trichromacy



Original Color
28, 13.785, 95.031

Protanomaly
28, 13.785, 95.031

Deuteranomaly
28, 13.115, 80.735

Tritanomaly
28, 4.932, 51.401

Monochromacy



Original Color
28, 13.785, 95.031

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 4.728, 92.086

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 13.785, 95.031 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(72, 66, 45)` looks like.

```
.text, #text, p{  
    color:rgb(72, 66, 45)  
}
```

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(72, 66, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 66, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 13.785, 95.031 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(72, 66, 45) }
```

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

```
.border{ border-color:rgb(72, 66, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 66, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 66, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 66, 45);  
box-shadow:4px 4px 4px 4px rgb(72, 66, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 13.785, 95.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 66, 45) }
```

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

```
.background{ background-color: rgb(72, 66,  
45) }
```

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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