

Converting Colors

CIELCh(28, 2.601, 64.855)

Have a look what the booklet for
CIELCh(28, 2.601, 64.855) contains.

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Color

CIELCh(28, 2.225, 54.988)

Conversions

Conversions Part 1

Format	Color
Hex	45413F
RGB	69, 65, 63
RGB Percent	27%, 25%, 25%
CMY	0.7281, 0.7438, 0.7517
CMYK	0.00, 0.06, 0.09, 0.73
HSL	20°, 5%, 26%
HSV	20°, 9%, 27%
XYZ	5.2925, 5.4574, 5.5241
YIQ	65.9680, 3.0260, 0.2260

Conversions

Conversions Part 2

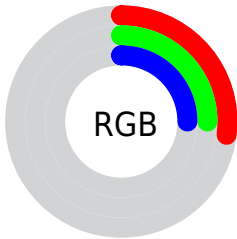
Format	Color
RYB	69, 66, 63
Decimal	4538687
CIELab	28.00, 1.28, 1.82
CIELCh	28, 2.225, 54.988
Yxy	5.4574, 0.3252, 0.3353
Android (android.graphics.Color)	4282728767 (0xFF45413F)
YUV	65.9680, -1.4632, 2.6591
Hunter-Lab	23.3610, -0.4420, 2.3325

Details

The CIELCh color **28, 2.225, 54.988** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 2.144, 236.499**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 2.010, 55.148**, and **8, 2.126, 61.379** is the 20% darker color. If you saturate the color by 10%, you get **26, 4.949, 54.398**, and if you desaturate by 10%, it is **30, 0.336, 236.506**.

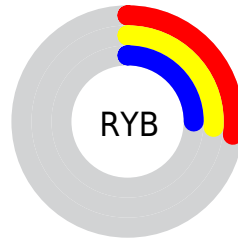
Distribution



 Red (27%)

 Green (25%)

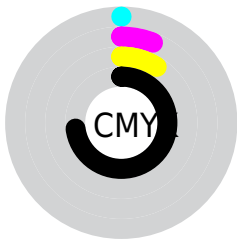
 Blue (25%)



 Red (27%)

 Yellow (26%)

 Blue (25%)

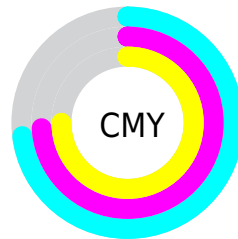


 Cyan (0%)


 Magenta (6%)

 Yellow (9%)

 Black (73%)



 Cyan (73%)

 Magenta (74%)

 Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 2.225, 54.988 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, 2.225, 54.988 by changing the saturation by 10% instead.

 28, 2.225, 54.988  28, 2.225, 54.988

 100, 2.225, 54.988  18, 2.225, 54.988

 48, 2.225, 54.988  8, 2.225, 54.988

 58, 2.225, 54.988  0, 2.225, 54.988


 68, 2.225, 54.988

 78, 2.225, 54.988

 88, 2.225, 54.988

 98, 2.225, 54.988

 28, 2.225, 54.988  28, 2.225, 54.988

 26, 4.949, 54.398  30, 0.336, 236.506

■ 25, 7.852, 53.780	■ 31, 2.748, 236.627
■ 23, 10.946, 53.208	■ 33, 5.028, 237.319
■ 22, 14.241, 52.697	■ 35, 7.190, 238.035
■ 20, 17.733, 52.258	■ 36, 9.247, 238.752
■ 19, 21.403, 51.887	■ 38, 11.210, 239.462
■ 17, 24.978, 51.156	■ 40, 13.091, 240.159
■ 16, 27.797, 49.184	■ 41, 14.899, 240.840
■ 15, 30.417, 47.465	■ 43, 16.641, 241.504

Harmonies

Complementary

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



28, 2.225, 54.988



28, 2.144, 236.499

Rectangle

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



28, 2.225, 54.988



28, 2.225, 104.988



28, 2.225, 234.988



28, 2.225, 284.988

Sweetspot

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



28, 2.225, 55.016



37, 0.933, 55.215



28, 3.748, 336.161



18, 0.715, 55.221



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



28, 2.225, 55.016



36, 3.185, 54.915



29, 3.238, 101.472



13, 1.466, 55.018



23, 43.901, 49.565



53, 85.426, 48.668

Inverse Universe

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



28, 2.144, 236.499



36, 3.044, 236.630



27, 3.277, 283.236



13, 1.413, 236.497



26, 25.136, 258.776



60, 47.846, 262.859

Previews

White Background



This preview shows how the CIELCh color 28, 2.225, 54.988 looks on a white background.

Color Contrast Check

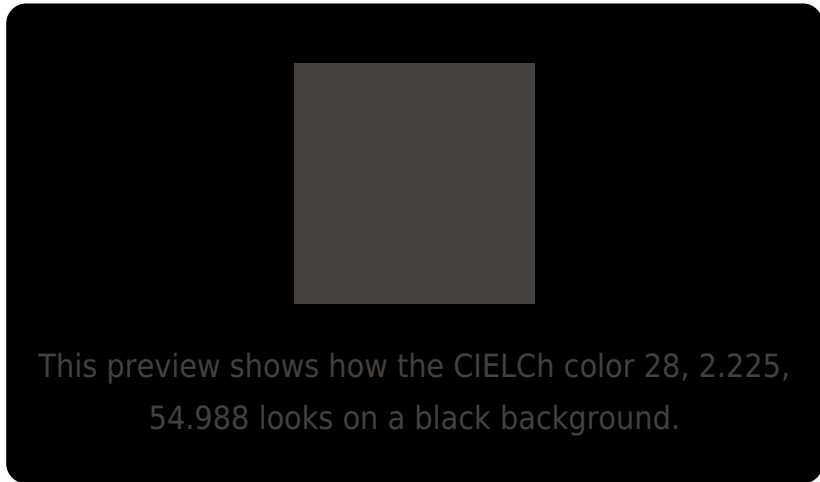
Large Text (above 18pt) WCAG AA ✓ Pass

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

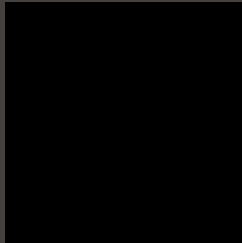
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

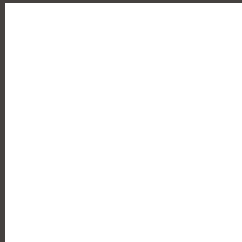
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 2.225, 54.988

Background



This preview shows how black text looks on a background with the CIELCh color 28, 2.225, 54.988.



This preview shows how white text looks on a background with the CIELCh color 28, 2.225, 54.988.

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, 2.225, 54.988

Protanopia

28, 1.566, 74.682

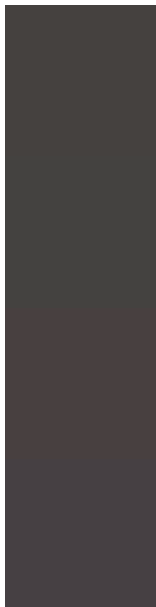
Deuteranopia

28, 4.110, 20.056



Tritanopia
28, 4.210, 329.816

Trichromacy



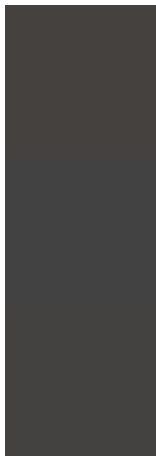
Original Color
28, 2.225, 54.988

Protanomaly
28, 1.566, 74.682

Deuteranomaly
28, 3.646, 19.968

Tritanomaly
28, 3.326, 344.224

Monochromacy



Original Color
28, 2.225, 54.988

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 0.779, 74.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 2.225, 54.988 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(69, 65, 63)` looks like.

```
.text, #text, p{  
    color:rgb(69, 65, 63)  
}
```

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(69, 65, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 65, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 2.225, 54.988 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(69, 65, 63) }
```

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

```
.border{ border-color:rgb(69, 65, 63) }
```

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

Here you see how a box with a 4 pixel rgb(69, 65, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 65, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 65, 63);  
box-shadow:4px 4px 4px 4px rgb(69, 65, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 2.225, 54.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 65, 63) }
```

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

```
.background{ background-color: rgb(69, 65,  
63) }
```

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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