

Converting Colors

CIELCh(28, 10.725, 28.066)

Have a look what the booklet for
CIELCh(28, 10.725, 28.066) contains.

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Color

CIELCh(28, 10.557, 28.146)

Conversions

Conversions Part 1

Format	Color
Hex	533D3B
RGB	83, 61, 59
RGB Percent	33%, 24%, 23%
CMY	0.6754, 0.7616, 0.7694
CMYK	0.00, 0.27, 0.29, 0.68
HSL	5°, 17%, 28%
HSV	5°, 29%, 32%
XYZ	5.9889, 5.4574, 4.8471
YIQ	67.3500, 13.7540, 4.0420

Conversions

Conversions Part 2

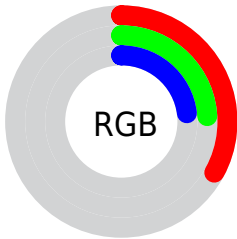
Format	Color
R_{YB}	83, 61, 59
Decimal	5455163
CIE Lab	28.00, 9.31, 4.98
CIE LCh	28, 10.557, 28.146
Yxy	5.4574, 0.3676, 0.3349
Android (android.graphics.Color)	4283645243 (0xFF533D3B)
YUV	67.3500, -4.1165, 13.7251
Hunter-Lab	23.3610, 4.8793, 4.0509

Details

The CIELCh color **28, 10.557, 28.146** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 8.778, 206.537**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 10.383, 30.251**, and **8, 10.192, 27.883** is the 20% darker color. If you saturate the color by 10%, you get **26, 14.730, 28.911**, and if you desaturate by 10%, it is **30, 6.659, 27.580**.

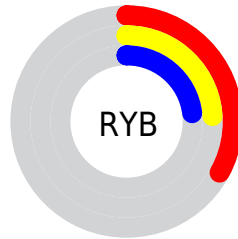
Distribution



 Red (33%)

 Green (24%)

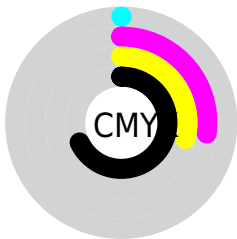
 Blue (23%)



 Red (33%)

 Yellow (24%)

 Blue (23%)

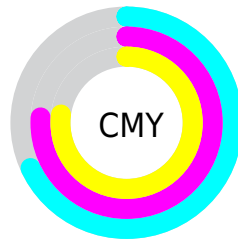


 Cyan (0%)

 Magenta (27%)

 Yellow (29%)

 Black (68%)



 Cyan (68%)

 Magenta (76%)

 Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 10.557, 28.146 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, 10.557, 28.146 by changing the saturation by 10% instead.

■ 28, 10.557, 28.146

■ 28, 10.557, 28.146

■ 100, 10.557,
28.146

■ 18, 10.557, 28.146

■ 48, 10.557, 28.146

■ 8, 10.557, 28.146

■ 58, 10.557, 28.146

■ 0, 10.557, 28.146

■ 68, 10.557, 28.146

■ 78, 10.557, 28.146

■ 88, 10.557, 28.146

■ 98, 10.557, 28.146

■ 28, 10.557, 28.146

■ 28, 10.557, 28.146

■ 26, 14.730, 28.911

■ 30, 6.659, 27.580

■ 23, 19.167, 29.911

■ 33, 3.033, 27.124

■ 21, 23.832, 31.210

■ 35, 0.334, 207.817

■ 19, 28.654, 32.855

■ 38, 3.464, 206.823

■ 18, 33.450, 34.685

■ 41, 6.378, 206.658

■ 16, 37.287, 35.145

■ 43, 9.099, 206.570

■ 15, 40.385, 35.681

■ 46, 11.649,
206.531

■ 15, 40.696, 35.749

■ 48, 14.046,
206.525

■ 51, 16.308,
206.544

Harmonies

Complementary

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



28, 10.557, 28.146



33, 8.778, 206.537

Rectangle

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



28, 10.557, 28.146



28, 10.557, 78.146



28, 10.557, 208.146



28, 10.557, 258.146

Sweetspot

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



28, 10.556, 28.152



42, 3.768, 27.139



28, 17.435, 328.284



20, 2.596, 27.178



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



28, 10.556, 28.152



35, 16.201, 28.678



32, 10.069, 80.431



15, 1.865, 27.111



21, 50.396, 38.488



49, 96.206, 40.751

Inverse Universe

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



33, 8.778, 206.537



42, 12.782, 206.526



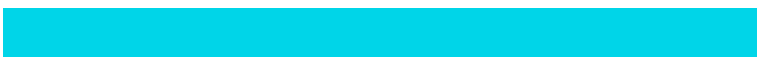
29, 9.711, 267.956



16, 1.772, 206.864



37, 23.596, 210.078



78, 42.098, 211.141

Previews

White Background



This preview shows how the CIE LCh color 28, 10.557, 28.146 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, 10.557, 28.146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

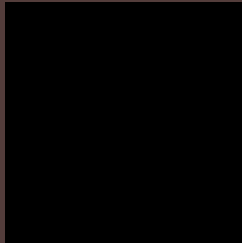
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 10.557, 28.146

Background



This preview shows how black text looks on a background with the CIELCh color 28, 10.557, 28.146.

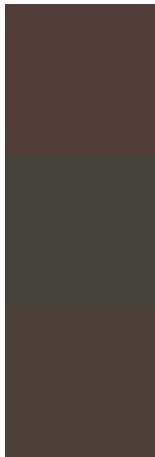


This preview shows how white text looks on a background with the CIELCh color 28, 10.557, 28.146.

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, 10.557, 28.146

Protanopia

28, 2.913, 81.554

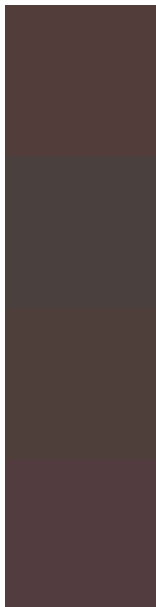
Deuteranopia

28, 6.899, 54.036



Tritanopia
28, 11.032, 4.631

Trichromacy



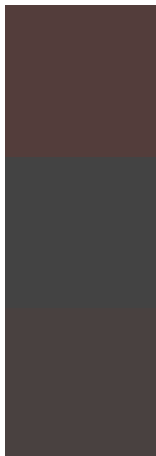
Original Color
28, 10.557, 28.146

Protanomaly
28, 5.039, 42.565

Deuteranomaly
28, 7.853, 44.526

Tritanomaly
28, 10.846, 11.248

Monochromacy



Original Color
28, 10.557, 28.146

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 3.710, 29.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 10.557, 28.146 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(83, 61, 59)` looks like.

```
.text, #text, p{  
    color:rgb(83, 61, 59)  
}
```

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(83, 61, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 61, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 10.557, 28.146 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(83, 61, 59) }
```

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

```
.border{ border-color:rgb(83, 61, 59) }
```

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

Here you see how a box with a 4 pixel rgb(83, 61, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 61, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 61, 59);  
box-shadow:4px 4px 4px 4px rgb(83, 61, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 10.557, 28.146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 61, 59) }
```

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

```
.background{ background-color: rgb(83, 61,  
59) }
```

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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