

Converting Colors

CIELCh(28, 13.953, 338.210)

Have a look what the booklet for
CIELCh(28, 13.953, 338.210)
contains.

CIELCh(28, 13.953, 338.210)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(28, 13.953, 338.210)

Conversions

Conversions Part 1

Format	Color
Hex	523B4A
RGB	82, 59, 74
RGB Percent	32%, 23%, 29%
CMY	0.6774, 0.7676, 0.7088
CMYK	0.00, 0.28, 0.10, 0.68
HSL	321°, 16%, 28%
HSV	321°, 28%, 32%
XYZ	6.3244, 5.4574, 7.2442
YIQ	67.5870, 8.8930, 9.5410

Conversions

Conversions Part 2

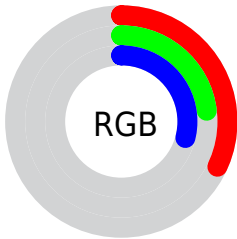
Format	Color
R_{YB}	82, 59, 74
Decimal	5389130
CIE Lab	28.00, 12.96, -5.18
CIE LCh	28, 13.953, 338.210
Yxy	5.4574, 0.3324, 0.2868
Android (android.graphics.Color)	4283579210 (0xFF523B4A)
YUV	67.5870, 3.1616, 12.6402
Hunter-Lab	23.3610, 7.4425, -2.0331

Details

The CIELCh color **28, 13.953, 338.210** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **33, 13.765, 154.230**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **48, 14.488, 337.598**, and **8, 13.657, 339.778** is the 20% darker color. If you saturate the color by 10%, you get **26, 18.918, 339.004**, and if you desaturate by 10%, it is **30, 8.930, 337.471**.

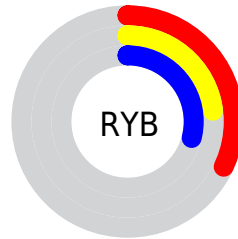
Distribution



Red (32%)

Green (23%)

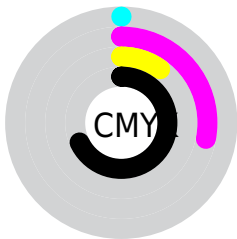
Blue (29%)



Red (32%)

Yellow (23%)

Blue (29%)

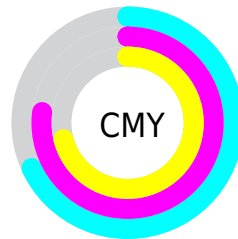


Cyan (0%)

Magenta (28%)

Yellow (10%)

Black (68%)



Cyan (68%)


Magenta (77%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 13.953, 338.210 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, 13.953, 338.210 by changing the saturation by 10% instead.

 28, 13.953,
338.210


 28, 13.953,
338.210

 100, 13.953,
338.210


 18, 13.953,
338.210


 48, 13.953,
338.210


 8, 13.953, 338.210

 58, 13.953,
338.210

 0, 13.953, 338.210

 68, 13.953,
338.210

 78, 13.953,
338.210

 88, 13.953,
338.210

 98, 13.953,

338.210

■ 28, 13.953,
338.210

■ 28, 13.953,
338.210

■ 26, 18.918,
339.004

■ 30, 8.930, 337.471

■ 33, 3.934, 336.761

■ 23, 23.712,
339.866

■ 36, 0.984, 156.357

■ 21, 28.181,
340.818

■ 38, 5.793, 155.596

■ 20, 32.134,
341.889

■ 41, 10.474,
155.014

■ 18, 35.362,
343.124

■ 43, 15.021,
154.474

■ 17, 37.678,
344.580

■ 46, 19.434,
153.966

■ 16, 39.647,
346.087

■ 49, 23.714,
153.489

■ 16, 40.080,
346.374

■ 51, 27.870,
153.038

Harmonies

Complementary

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



28, 13.953, 338.210



33, 13.765, 154.230

Rectangle

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



28, 13.953, 338.210



28, 13.953, 28.210



28, 13.953, 158.210



28, 13.953, 208.210

Sweetspot

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



28, 13.952, 338.211



43, 4.909, 336.783



27, 15.426, 304.630



21, 3.451, 336.854



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, 13.952, 338.211



35, 21.081, 338.777



28, 10.933, 8.490



15, 2.740, 336.814



22, 47.054, 347.163



51, 83.292, 348.978

Inverse Universe

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



28, 13.952, 338.211



35, 21.081, 338.777



33, 9.740, 183.593



15, 2.740, 336.814



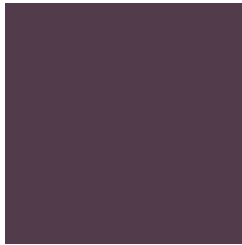
22, 47.054, 347.163



51, 83.292, 348.978

Previews

White Background



This preview shows how the CIE LCh color 28, 13.953, 338.210 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, 13.953, 338.210 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, 13.953, 338.210

Background



This preview shows how black text looks on a background with the CIELCh color 28, 13.953, 338.210.



This preview shows how white text looks on a background with the CIELCh color 28, 13.953, 338.210.

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, 13.953, 338.210

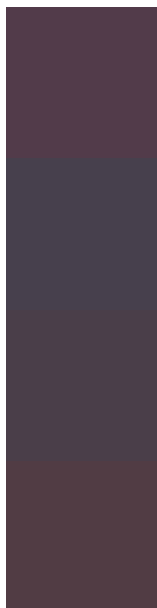
Protanopia
28, 7.791, 285.597

Deuteranopia
28, 6.418, 315.116



Tritanopia
28, 9.527, 5.566

Trichromacy



Original Color
28, 13.953, 338.210

Protanomaly
28, 8.970, 311.068

Deuteranomaly
28, 8.877, 327.589

Tritanomaly
28, 10.778, 352.953

Monochromacy



Original Color
28, 13.953, 338.210

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 4.813, 338.172

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 13.953, 338.210 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(82, 59, 74)` looks like.

```
.text, #text, p{  
    color:rgb(82, 59, 74)  
}
```

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(82, 59, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 59, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 13.953, 338.210 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(82, 59, 74) }
```

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

```
.border{ border-color:rgb(82, 59, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 59, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 59, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 59, 74);  
box-shadow:4px 4px 4px 4px rgb(82, 59, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 13.953, 338.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 59, 74) }
```

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

```
.background{ background-color: rgb(82, 59,  
74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor