

Converting Colors

CIELCh(28, 8.369, 53.215)

Have a look what the booklet for
CIELCh(28, 8.369, 53.215) contains.

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Color

CIELCh(28, 8.543, 52.036)

Conversions

Conversions Part 1

Format	Color
Hex	4E3F38
RGB	78, 63, 56
RGB Percent	31%, 25%, 22%
CMY	0.6942, 0.7530, 0.7805
CMYK	0.00, 0.19, 0.28, 0.69
HSL	19°, 16%, 26%
HSV	19°, 28%, 31%
XYZ	5.6303, 5.4574, 4.4958
YIQ	66.6870, 11.1870, 1.0030

Conversions

Conversions Part 2

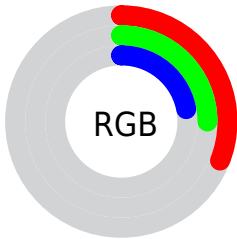
Format	Color
RYB	78, 66, 56
Decimal	5127992
CIELab	28.00, 5.26, 6.74
CIElCh	28, 8.543, 52.036
Yxy	5.4574, 0.3613, 0.3502
Android (android.graphics.Color)	4283318072 (0xFF4E3F38)
YUV	66.6870, -5.2687, 9.9215
Hunter-Lab	23.3610, 2.1392, 4.9424




Details

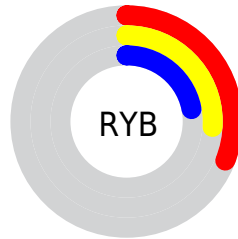
The CIELCh color **28, 8.543, 52.036** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 7.392, 236.429**, and the grayscale version is **28, 0.004, 296.813**.




A 20% lighter version of the original color is **48, 8.311, 54.259**, and **8, 8.226, 54.193** is the 20% darker color. If you saturate the color by 10%, you get **26, 11.976, 51.536**, and if you desaturate by 10%, it is **30, 5.330, 52.608**.

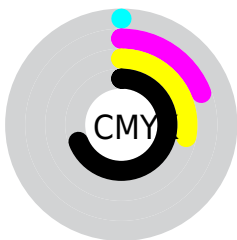
Distribution







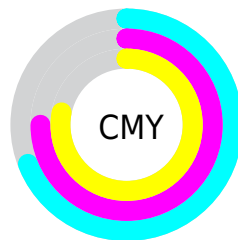
-  Red (31%)
-  Green (25%)
-  Blue (22%)






-  Red (31%)
-  Yellow (26%)
-  Blue (22%)



-  Cyan (0%)
-  Magenta (19%)
-  Yellow (28%)
-  Black (69%)



-  Cyan (69%)
-  Magenta (75%)
-  Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 8.543, 52.036 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, 8.543, 52.036 by changing the saturation by 10% instead.

 28, 8.543, 52.036  28, 8.543, 52.036

 100, 8.543, 52.036  18, 8.543, 52.036

 48, 8.543, 52.036  8, 8.543, 52.036


 58, 8.543, 52.036  0, 8.543, 52.036

 68, 8.543, 52.036

 78, 8.543, 52.036

 88, 8.543, 52.036

 98, 8.543, 52.036

 28, 8.543, 52.036  28, 8.543, 52.036

 26, 11.976, 51.536  30, 5.330, 52.608

■ 25, 15.640, 51.100

■ 32, 2.324, 53.176

■ 23, 19.533, 50.749

■ 34, 0.494, 234.459

■ 21, 23.628, 50.480

■ 35, 3.142, 234.714

■ 20, 27.840, 50.223

■ 37, 5.638, 235.376

■ 18, 31.342, 48.847

■ 39, 8.000, 236.063

■ 17, 34.396, 47.330

■ 41, 10.242,
236.755

■ 17, 34.935, 47.128

■ 43, 12.377,
237.440

■ 45, 14.419,
238.115

Harmonies

Complementary

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



28, 8.543, 52.036



29, 7.392, 236.429

Rectangle

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



28, 8.543, 52.036



28, 8.543, 102.036



28, 8.543, 232.036



28, 8.543, 282.036

Sweetspot

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



28, 8.543, 52.045



41, 2.829, 53.171



26, 13.750, 336.816



20, 1.992, 53.121



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



28, 8.543, 52.045



35, 13.173, 51.679



31, 11.487, 98.468



14, 1.557, 53.154



23, 45.217, 48.658



54, 86.899, 47.854

Inverse Universe

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



29, 7.392, 236.429



37, 10.933, 237.339



26, 11.863, 284.817



14, 1.497, 234.563



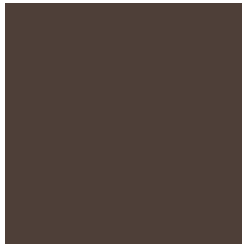
28, 25.028, 256.308



61, 46.955, 260.230

Previews

White Background



This preview shows how the CIELCh color 28, 8.543, 52.036 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 CIE LCh color 28, 8.543, 52.036 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, 8.543, 52.036

Background



This preview shows how black text looks on a background with the CIELCh color 28, 8.543, 52.036.

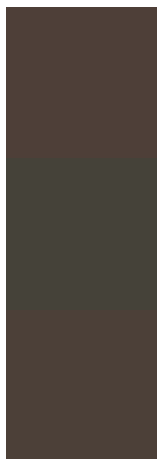


This preview shows how white text looks on a background with the CIELCh color 28, 8.543, 52.036.

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

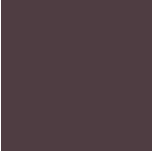
28, 8.543, 52.036

Protanopia

28, 5.962, 95.386

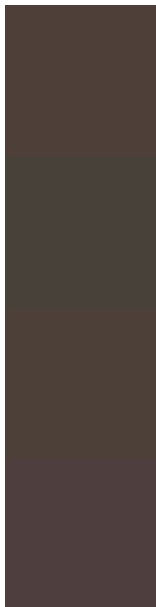
Deuteranopia

28, 7.751, 61.485



Tritanopia
28, 8.804, 359.628

Trichromacy



Original Color
28, 8.543, 52.036

Protanomaly
28, 6.134, 76.572

Deuteranomaly
28, 8.125, 59.236

Tritanomaly
28, 7.920, 20.783

Monochromacy



Original Color
28, 8.543, 52.036

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 2.986, 59.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 8.543, 52.036 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(78, 63, 56)` looks like.

```
.text, #text, p{  
    color:rgb(78, 63, 56)  
}
```

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(78, 63, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 63, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 8.543, 52.036 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(78, 63, 56) }
```

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

```
.border{ border-color:rgb(78, 63, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 63, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 63, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 63, 56);  
box-shadow:4px 4px 4px 4px rgb(78, 63, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 8.543, 52.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 63, 56) }
```

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

```
.background{ background-color: rgb(78, 63,  
56) }
```

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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