

Converting Colors

CIELCh(28, 9.640, 111.097)

Have a look what the booklet for
CIELCh(28, 9.640, 111.097) contains.

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Color

CIELCh(28, 9.640, 111.097)

Conversions

Conversions Part 1

Format	Color
Hex	424334
RGB	66, 67, 52
RGB Percent	26%, 26%, 20%
CMY	0.7403, 0.7364, 0.7952
CMYK	0.01, 0.00, 0.22, 0.74
HSL	64°, 13%, 23%
HSV	64°, 22%, 26%
XYZ	4.9075, 5.4574, 4.0694
YIQ	64.9910, 4.2190, -4.8770

Conversions

Conversions Part 2

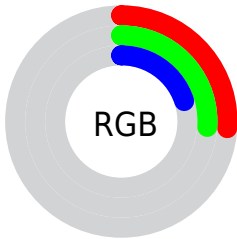
Format	Color
R_{YB}	52, 67, 53
Decimal	4342580
CIE Lab	28.00, -3.47, 8.99
CIE LCh	28, 9.640, 111.097
Yxy	5.4574, 0.3400, 0.3781
Android (android.graphics.Color)	4282532660 (0xFF424334)
YUV	64.9910, -6.4046, 0.8849
Hunter-Lab	23.3610, -3.3836, 6.0247

Details

The CIELCh color **28, 9.640, 111.097** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 10.087, 294.760**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 9.971, 111.267**, and **8, 9.310, 110.176** is the 20% darker color. If you saturate the color by 10%, you get **28, 13.893, 110.337**, and if you desaturate by 10%, it is **28, 5.336, 111.866**.

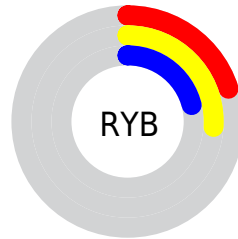
Distribution



Red (26%)

Green (26%)

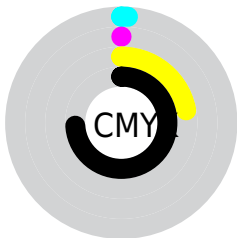
Blue (20%)



Red (20%)

Yellow (26%)

Blue (21%)

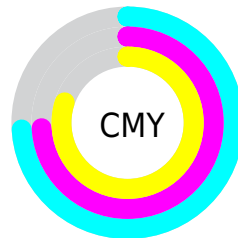


Cyan (1%)

Magenta (0%)

Yellow (22%)

Black (74%)



Cyan (74%)

Magenta (74%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 9.640, 111.097 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, 9.640, 111.097 by changing the saturation by 10% instead.

■ 28, 9.640, 111.097

■ 28, 9.640, 111.097

■ 100, 9.640,
111.097

■ 18, 9.640, 111.097

■ 48, 9.640, 111.097

■ 8, 9.640, 111.097

■ 58, 9.640, 111.097

■ 0, 9.640, 111.097

■ 68, 9.640, 111.097

■ 78, 9.640, 111.097

■ 88, 9.640, 111.097

■ 98, 9.640, 111.097

■ 28, 9.640, 111.097

■ 28, 9.640, 111.097

■ 28, 13.893,
110.337

■ 28, 5.336, 111.866

■ 28, 18.057,
109.588

■ 28, 1.005, 112.609

■ 29, 3.336, 293.373

■ 27, 22.079,
108.873

■ 29, 7.675, 294.089

■ 27, 25.883,
108.216

■ 29, 12.002,
294.780

■ 27, 29.359,
107.648

■ 30, 16.311,
295.442

■ 27, 32.367,
107.205

■ 30, 20.595,
296.074

■ 27, 35.008,
106.857

■ 30, 24.851,
296.673

■ 27, 37.084,
106.602

■ 31, 29.075,
297.241

Harmonies

Complementary

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



28, 9.640, 111.097



22, 10.087, 294.760

Rectangle

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



28, 9.640, 111.097



28, 9.640, 161.097



28, 9.640, 291.097



28, 9.640, 341.097

Sweetspot

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



28, 9.641, 111.101



37, 3.745, 112.248



24, 6.754, 26.244



18, 2.395, 112.246



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



28, 9.641, 111.101



36, 14.368, 110.660



27, 10.474, 130.497



13, 2.381, 112.157



39, 47.846, 106.710



86, 88.287, 107.005

Inverse Universe

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



22, 10.087, 294.760



28, 15.229, 295.372



23, 10.715, 312.226



11, 2.425, 293.479



8, 65.429, 306.705



28, 121.173, 306.449

Previews

White Background



This preview shows how the CIELCh color 28, 9.640, 111.097 looks on a white background.

Color Contrast Check

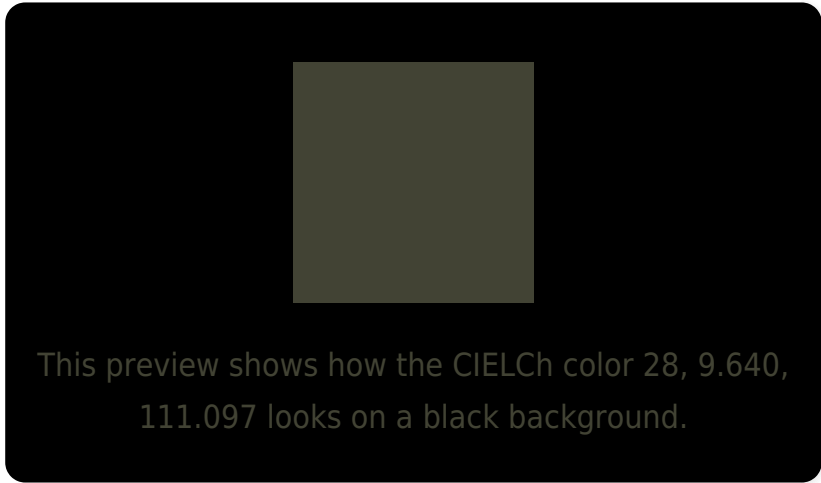
Large Text (above 18pt) WCAG AA ✓ Pass

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

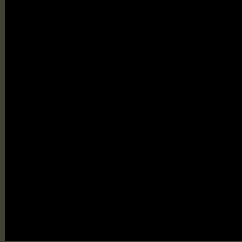
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

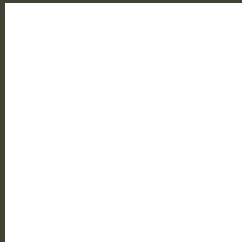
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 9.640, 111.097

Background



This preview shows how black text looks on a background with the CIELCh color 28, 9.640, 111.097.

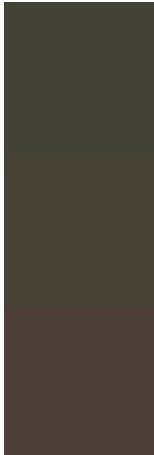


This preview shows how white text looks on a background with the CIELCh color 28, 9.640, 111.097.

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, 9.640, 111.097

Protanopia

28, 9.207, 96.339

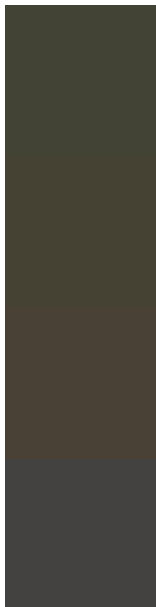
Deuteranopia

28, 9.441, 62.915



Tritanopia
28, 3.704, 319.063

Trichromacy



Original Color
28, 9.640, 111.097

Protanomaly
28, 9.118, 99.307

Deuteranomaly
28, 8.660, 82.232

Tritanomaly
28, 1.566, 74.682

Monochromacy



Original Color
28, 9.640, 111.097

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 3.903, 116.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 9.640, 111.097 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(66, 67, 52)` looks like.

```
.text, #text, p{  
    color:rgb(66, 67, 52)  
}
```

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(66, 67, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 67, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 9.640, 111.097 is called "border". The border property can be set on classes, ids or directly on the HTML element.

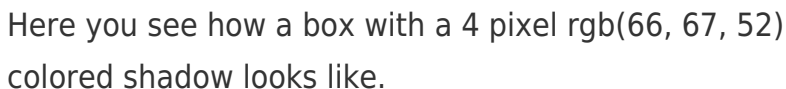
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(66, 67, 52) }
```

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

```
.border{ border-color:rgb(66, 67, 52) }
```

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



Here you see how a box with a 4 pixel `rgb(66, 67, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 67, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 67, 52);  
box-shadow:4px 4px 4px 4px rgb(66, 67, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 9.640, 111.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 67, 52) }
```

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

```
.background{ background-color: rgb(66, 67,  
52) }
```

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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