

Converting Colors

CIELCh(28, 10.224, 331.593)

Have a look what the booklet for
CIELCh(28, 10.224, 331.593)
contains.

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Color

CIELCh(28, 10.173, 331.620)

Conversions

Conversions Part 1

Format	Color
Hex	4D3E4A
RGB	77, 62, 74
RGB Percent	30%, 24%, 29%
CMY	0.6995, 0.7583, 0.7113
CMYK	0.00, 0.20, 0.04, 0.70
HSL	312°, 11%, 27%
HSV	312°, 20%, 30%
XYZ	5.9567, 5.4574, 7.1524
YIQ	67.8530, 5.0880, 6.9120

Conversions

Conversions Part 2

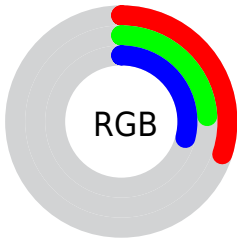
Format	Color
R_{YB}	77, 62, 74
Decimal	5062218
CIE Lab	28.00, 8.95, -4.84
CIE LCh	28, 10.173, 331.620
Yxy	5.4574, 0.3208, 0.2939
Android (android.graphics.Color)	4283252298 (0xFF4D3E4A)
YUV	67.8530, 3.0305, 8.0219
Hunter-Lab	23.3610, 4.6326, -1.7999

Details

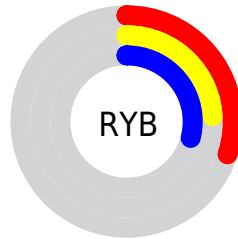
The CIELCh color **28, 10.173, 331.620** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **31, 10.134, 149.321**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 10.017, 330.826**, and **8, 9.857, 333.584** is the 20% darker color. If you saturate the color by 10%, you get **26, 15.393, 332.222**, and if you desaturate by 10%, it is **30, 4.946, 331.028**.

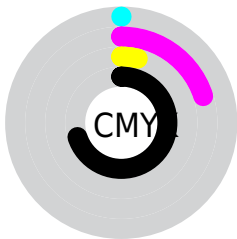
Distribution



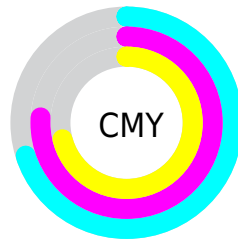
- Red (30%)
- Green (24%)
- Blue (29%)



- Red (30%)
- Yellow (24%)
- Blue (29%)



- Cyan (0%)
- Magenta (20%)
- Yellow (4%)
- Black (70%)





- Cyan (70%)
- Magenta (76%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 10.173, 331.620 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, 10.173, 331.620 by changing the saturation by 10% instead.

 28, 10.173,
331.620


 28, 10.173,
331.620

 100, 10.173,
331.620


 18, 10.173,
331.620


 48, 10.173,
331.620


 8, 10.173, 331.620

 58, 10.173,
331.620

 0, 10.173, 331.620

 68, 10.173,
331.620

 78, 10.173,
331.620

 88, 10.173,
331.620

 98, 10.173,

331.620

■ 28, 10.173,
331.620

■ 28, 10.173,
331.620

■ 26, 15.393,
332.222

■ 30, 4.946, 331.028

■ 33, 0.223, 151.198

■ 24, 20.523,
332.839

■ 35, 5.298, 149.997

■ 22, 25.439,
333.473

■ 38, 10.254,
149.471

■ 20, 29.987,
334.128

■ 40, 15.081,
148.977

■ 18, 33.984,
334.809

■ 43, 19.773,
148.509

■ 17, 37.237,
335.528

■ 45, 24.331,
148.065

■ 16, 39.621,
336.299

■ 47, 28.760,
147.645

■ 15, 41.911,
337.037

■ 50, 33.064,
147.246

■ 15, 42.018,
337.069

Harmonies

Complementary

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



28, 10.173, 331.620



31, 10.134, 149.321

Rectangle

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



28, 10.173, 331.620



28, 10.173, 21.620



28, 10.173, 151.620



28, 10.173, 201.620

Sweetspot

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



28, 10.172, 331.621



40, 3.846, 330.823



27, 9.876, 298.729



20, 2.572, 330.840



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, 10.172, 331.621



35, 14.861, 331.877



28, 7.453, 356.549



14, 2.883, 330.973



22, 50.911, 337.499



52, 91.201, 338.321

Inverse Universe

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



28, 10.172, 331.621



35, 14.861, 331.877



31, 7.105, 173.180



14, 2.883, 330.973



22, 50.911, 337.499



52, 91.201, 338.321

Previews

White Background



This preview shows how the CIELCh color 28, 10.173, 331.620 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, 10.173, 331.620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

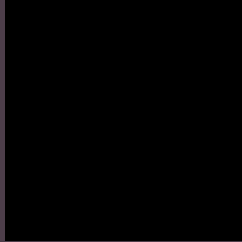
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 10.173, 331.620

Background



This preview shows how black text looks on a background with the CIELCh color 28, 10.173, 331.620.



This preview shows how white text looks on a background with the CIELCh color 28, 10.173, 331.620.

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, 10.173, 331.620

Protanopia

28, 6.509, 284.063

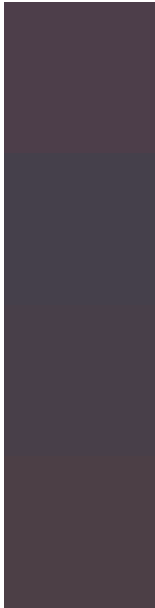
Deuteranopia

28, 6.254, 311.449



Tritanopia
28, 6.683, 351.802

Trichromacy



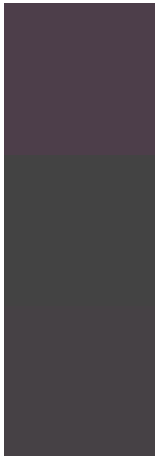
Original Color
28, 10.173, 331.620

Protanomaly
28, 7.480, 308.089

Deuteranomaly
28, 7.607, 322.294

Tritanomaly
28, 7.355, 342.883

Monochromacy



Original Color
28, 10.173, 331.620

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 3.423, 330.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 10.173, 331.620 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(77, 62, 74)` looks like.

```
.text, #text, p{  
    color:rgb(77, 62, 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(77, 62, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 62, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 10.173, 331.620 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(77, 62, 74) }
```

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

```
.border{ border-color:rgb(77, 62, 74) }
```

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

Here you see how a box with a 4 pixel rgb(77, 62, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 62, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 62, 74);  
box-shadow:4px 4px 4px 4px rgb(77, 62, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 10.173, 331.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 62, 74) }
```

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

```
.background{ background-color: rgb(77, 62,  
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](#).

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