

Converting Colors

CIELCh(27, 7.269, 72.644)

Have a look what the booklet for
CIELCh(27, 7.269, 72.644) contains.

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Color

CIELCh(27, 7.294, 72.618)

Conversions

Conversions Part 1

Format	Color
Hex	473E35
RGB	71, 62, 53
RGB Percent	28%, 24%, 21%
CMY	0.7202, 0.7556, 0.7909
CMYK	0.00, 0.13, 0.25, 0.72
HSL	30°, 14%, 24%
HSV	30°, 25%, 28%
XYZ	5.0142, 5.0937, 4.1260
YIQ	63.6650, 8.2530, -0.8910

Conversions

Conversions Part 2

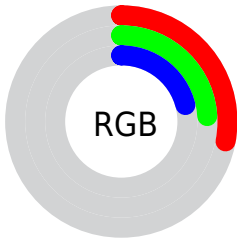
Format	Color
RYB	71, 71, 53
Decimal	4668981
CIELab	27.00, 2.18, 6.96
CIELCh	27, 7.294, 72.618
Yxy	5.0937, 0.3523, 0.3579
Android (android.graphics.Color)	4282859061 (0xFF473E35)
YUV	63.6650, -5.2578, 6.4328
Hunter-Lab	22.5692, 0.1610, 4.9592

Details

The CIELCh color **27, 7.294, 72.618** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **26, 6.869, 258.729**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 7.099, 67.964**, and **7, 7.342, 75.117** is the 20% darker color. If you saturate the color by 10%, you get **26, 10.401, 71.514**, and if you desaturate by 10%, it is **28, 4.314, 73.721**.

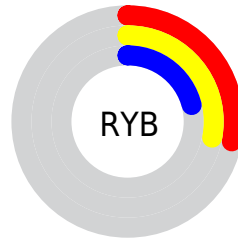
Distribution



 Red (28%)

 Green (24%)

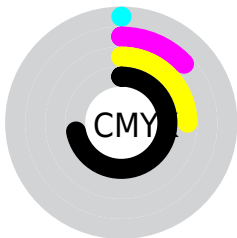
 Blue (21%)



 Red (28%)

 Yellow (28%)

 Blue (21%)

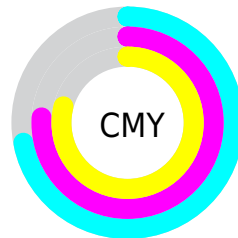


 Cyan (0%)


 Magenta (13%)

 Yellow (25%)

 Black (72%)



 Cyan (72%)

 Magenta (76%)

 Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 27, 7.294, 72.618 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 27, 7.294, 72.618 by changing the saturation by 10% instead.

■ 27, 7.294, 72.618 ■ 27, 7.294, 72.618

■ 100, 7.294, 72.618 ■ 17, 7.294, 72.618

■ 47, 7.294, 72.618 ■ 7, 7.294, 72.618

■ 57, 7.294, 72.618 ■ 0, 7.294, 72.618

■ 67, 7.294, 72.618

■ 77, 7.294, 72.618

■ 87, 7.294, 72.618

■ 97, 7.294, 72.618

■ 27, 7.294, 72.618 ■ 27, 7.294, 72.618

■ 26, 10.401, 71.514 ■ 28, 4.314, 73.721

■ 24, 13.635, 70.389

■ 30, 1.454, 74.734

■ 23, 16.987, 69.253

■ 31, 1.294, 256.064

■ 22, 20.431, 68.096

■ 32, 3.942, 257.018

■ 21, 23.903, 66.887

■ 34, 6.498, 258.017

■ 20, 26.875, 65.163

■ 35, 8.971, 258.992

■ 19, 29.269, 63.070

■ 36, 11.371,
259.937

■ 18, 30.411, 62.212

■ 38, 13.705,
260.846

■ 39, 15.980,
261.719

Harmonies

Complementary

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



27, 7.294, 72.618



26, 6.869, 258.729

Rectangle

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



27, 7.294, 72.618



27, 7.294, 122.618



27, 7.294, 252.618



27, 7.294, 302.618

Sweetspot

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



27, 7.294, 72.628



38, 2.748, 74.448



25, 10.110, 345.645



18, 1.928, 74.361



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



27, 7.294, 72.628



34, 10.814, 71.974



30, 11.426, 108.003



13, 1.555, 74.419



27, 41.610, 62.530



60, 78.271, 60.049

Inverse Universe

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



26, 6.869, 258.729



33, 10.023, 259.690



23, 12.043, 292.773



13, 1.529, 256.473



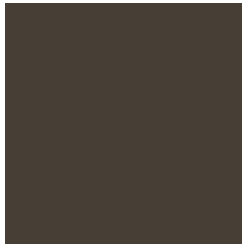
21, 34.175, 281.122



49, 67.017, 284.718

Previews

White Background



This preview shows how the CIELCh color 27, 7.294, 72.618 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 27, 7.294, 72.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

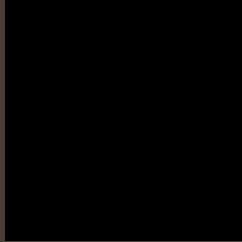
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 7.294, 72.618

Background



This preview shows how black text looks on a background with the CIELCh color 27, 7.294, 72.618.



This preview shows how white text looks on a background with the CIELCh color 27, 7.294, 72.618.

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

27, 7.294, 72.618

Protanopia

27, 6.624, 96.472

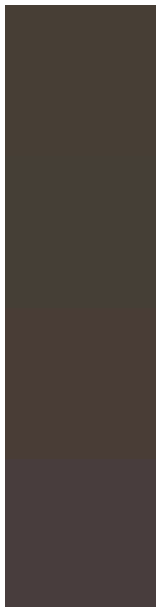
Deuteranopia

27, 7.774, 55.737



Tritanopia
27, 6.035, 355.088

Trichromacy



Original Color
27, 7.294, 72.618

Protanomaly
27, 6.503, 82.926

Deuteranomaly
27, 7.378, 57.920

Tritanomaly
27, 5.088, 20.268

Monochromacy



Original Color
27, 7.294, 72.618

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 2.672, 66.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 7.294, 72.618 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(71, 62, 53)` looks like.

```
.text, #text, p{  
    color:rgb(71, 62, 53)  
}
```

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(71, 62, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 62, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 7.294, 72.618 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(71, 62, 53) }
```

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

```
.border{ border-color:rgb(71, 62, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 62, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 62, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 62, 53);  
box-shadow:4px 4px 4px 4px rgb(71, 62, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 27, 7.294, 72.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 62, 53) }
```

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

```
.background{ background-color: rgb(71, 62,  
53) }
```

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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