Converting Colors

CIELCh(29, 2.613, 290.418)

Have a look what the booklet for CIELCh(29, 2.613, 290.418) contains.

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Color

CIELCh(29, 2.579, 290.681)

Conversions

Conversions Part 1

Format	Color
Hex	444448
RGB	68, 68, 72
RGB Percent	27%, 27%, 28%
CMY	0.7332, 0.7332, 0.7175
CMYK	0.06, 0.06, 0.00, 0.72
HSL	240°, 3%, 27%
HSV	240°, 6%, 28%
XYZ	5.6274, 5.8380, 6.9683
YIQ	68.4560, -1.2840, 1.2440

Conversions

Conversions Part 2

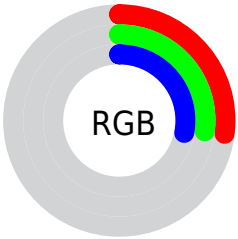
Format	Color
RYB	68, 68, 72
Decimal	4473928
CIELab	29.00, 0.91, -2.41
CIELCh	29, 2.579, 290.681
Yxy	5.8380, 0.3053, 0.3167
Android (android.graphics.Color)	4282664008 (0xFF444448)
YUV	68.4560, 1.7472, -0.3999
Hunter-Lab	24.1619, -0.7103, -0.1858

Details

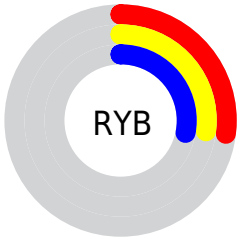
The CIELCh color 29, 2.579, 290.681 is a dark color, and the websafe version is hex 333333. A complement of this color would be 30, 2.542, 109.681, and the grayscale version is 29, 0.005, 296.813.

A 20% lighter version of the original color is 49, 2.354, 290.507, and 9, 2.989, 291.208 is the 20% darker color. If you saturate the color by 10%, you get 26, 7.344, 291.654, and if you desaturate by 10%, it is 32, 2.020, 109.785.

Distribution

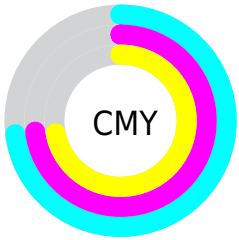


- Red (27%)
- Green (27%)
- Blue (28%)



- Red (27%)
- Yellow (27%)
- Blue (28%)

- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (72%)



- Cyan (73%)
- Magenta (73%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 2.579, 290.681 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 29, 2.579, 290.681 by changing the saturation by 10% instead.

29, 2.579, 290.681

100, 2.579, 290.681

49, 2.579, 290.681

59, 2.579, 290.681

69, 2.579, 290.681

79, 2.579, 290.681

89, 2.579, 290.681

99, 2.579, 290.681

29, 2.579, 290.681

29, 2.579, 290.681

19, 2.579, 290.681

9, 2.579, 290.681

0, 2.579, 290.681

29, 2.579, 290.681

29, 2.579, 290.681

26, 7.344, 291.654

23, 12.288, 292.803

20, 17.424, 294.133

17, 22.758, 295.659

14, 28.281, 297.384

12, 33.943, 299.278

9, 39.604, 301.260

7, 44.744, 302.979

5, 48.825, 303.808

32, 2.020, 109.785

35, 6.463, 109.056

38, 10.760, 108.416

40, 14.921, 107.859

43, 18.955, 107.373

46, 22.869, 106.946

49, 26.669, 106.571

52, 30.363, 106.240

54, 33.957, 105.947

Harmonies

Complementary

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

29, 2.579, 290.681

30, 2.542, 109.681

Rectangle

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

29, 2.579, 290.681

29, 2.579, 340.681

29, 2.579, 110.681

29, 2.579, 160.681

Sweetspot

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

29, 2.578, 290.669

39, 1.158, 290.378

30, 1.735, 197.876

20, 0.664, 290.362

72, 0.009, 296.813

20, 0.004, 296.813

Same Dimension

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

29, 2.578, 290.669

38, 4.075, 290.827

29, 2.723, 308.685

13, 2.058, 290.789

8, 67.062, 306.280

28, 122.520, 306.284

Inverse Universe

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

29, 1.788, 19.533

38, 2.836, 19.669

30, 2.696, 128.286

13, 1.431, 19.638

19, 49.396, 35.611

47, 95.745, 39.991

Previews

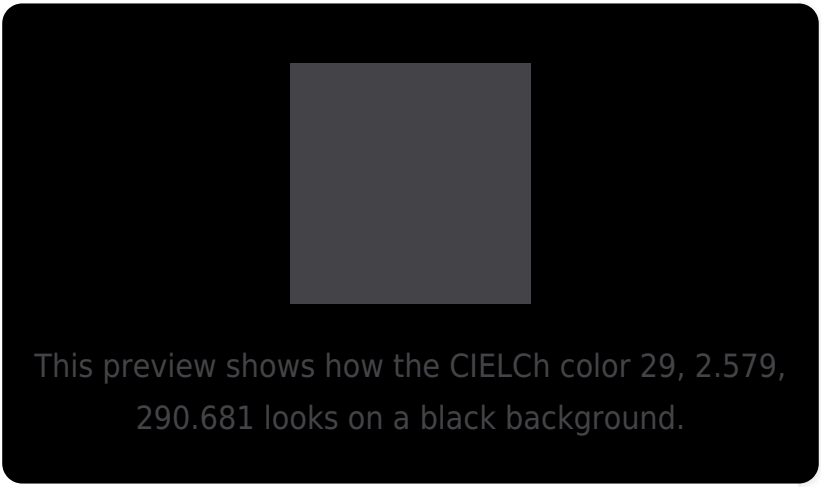
White Background

This preview shows how the CIELCh color 29, 2.579, 290.681 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

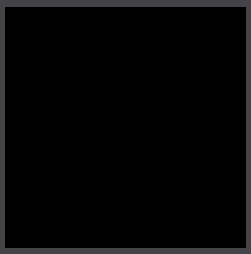


Color Contrast Check

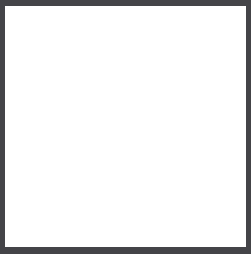
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 29, 2.579, 290.681 Background



This preview shows how black text looks on a background with the CIELCh color 29, 2.579, 290.681.



This preview shows how white text looks on a background with the CIELCh color 29, 2.579, 290.681.

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
29, 2.579, 290.681

Protanopia
29, 2.579, 290.681

Deuteranopia
29, 4.963, 329.091

Tritanopia
29, 3.222, 290.800

Trichromacy

Original Color
29, 2.579, 290.681

Protanomaly
29, 2.579, 290.681

Deuteranomaly
29, 3.686, 319.056

Tritanomaly
29, 3.222, 290.800

Monochromacy

Original Color
29, 2.579, 290.681

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 0.648, 290.348

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 2.579, 290.681 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(68, 68, 72) looks like.

```
.text, #text, p{
    color:rgb(68, 68, 72)
}
```

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(68, 68, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 68, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 2.579, 290.681 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(68, 68, 72) }
```

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

```
.border{ border-color:rgb(68, 68, 72) }
```

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

Here you see how a box with a 4 pixel rgb(68, 68, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(68, 68, 72); -webkit-box-shadow:4px 4px 4px 4px rgb(68, 68, 72); box-shadow:4px 4px 4px 4px rgb(68, 68, 72) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 2.579, 290.681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(68, 68, 72) }
```

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

```
.background{ background-color:rgb(68, 68,
72) }
```

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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