

Converting Colors

CIELCh(29, 4.278, 19.115)

Have a look what the booklet for
CIELCh(29, 4.278, 19.115) contains.

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Color

CIELCh(29, 4.551, 20.122)

Conversions

Conversions Part 1

Format	Color
Hex	4C4242
RGB	76, 66, 66
RGB Percent	30%, 26%, 26%
CMY	0.7017, 0.7409, 0.7409
CMYK	0.00, 0.13, 0.13, 0.70
HSL	0°, 7%, 28%
HSV	0°, 13%, 30%
XYZ	5.9237, 5.8380, 5.9795
YIQ	68.9900, 5.9600, 2.1200

Conversions

Conversions Part 2

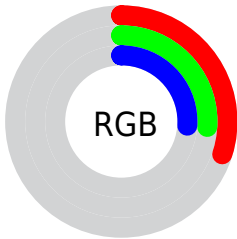
Format	Color
RYB	76, 66, 66
Decimal	4997698
CIELab	29.00, 4.27, 1.57
CIELCh	29, 4.551, 20.122
Yxy	5.8380, 0.3339, 0.3291
Android (android.graphics.Color)	4283187778 (0xFF4C4242)
YUV	68.9900, -1.4741, 6.1478
Hunter-Lab	24.1619, 1.4789, 2.2406

Details

The CIELCh color $[29, 4.551, 20.122]$ is a dark color, and the websafe version is hex $\#333333$. A complement of this color would be $[31, 4.221, 198.845]$, and the grayscale version is $[29, 0.005, 296.813]$.

A 20% lighter version of the original color is $[49, 4.528, 19.851]$, and $[9, 4.852, 20.892]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 8.299, 20.924]$, and if you desaturate by 10%, it is $[32, 1.052, 19.326]$.

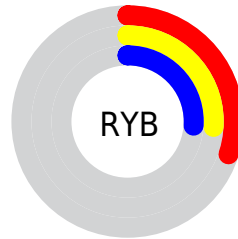
Distribution



Red (30%)

Green (26%)

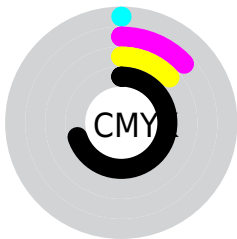
Blue (26%)



Red (30%)

Yellow (26%)

Blue (26%)

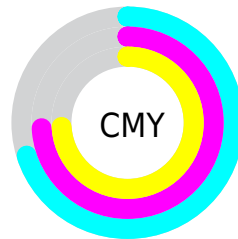


Cyan (0%)

Magenta (13%)

Yellow (13%)

Black (70%)



Cyan (70%)

Magenta (74%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 4.551, 20.122 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, 4.551, 20.122 by changing the saturation by 10% instead.

■ 29, 4.551, 20.122 ■ 29, 4.551, 20.122

■ 100, 4.551, 20.122 ■ 19, 4.551, 20.122

■ 49, 4.551, 20.122 ■ 9, 4.551, 20.122

■ 59, 4.551, 20.122 ■ 0, 4.551, 20.122

■ 69, 4.551, 20.122

■ 79, 4.551, 20.122

■ 89, 4.551, 20.122

■ 99, 4.551, 20.122

■ 29, 4.551, 20.122 ■ 29, 4.551, 20.122

■ 27, 8.299, 20.924 ■ 32, 1.052, 19.326

24, 12.299, 21.901

34, 2.208, 199.229

22, 16.532, 23.138

37, 5.247, 198.764

20, 20.954, 24.711

39, 8.085, 198.426

18, 25.491, 26.703

42, 10.744,
198.154

16, 30.027, 29.154

45, 13.244,
197.931

15, 33.892, 30.624

14, 36.903, 31.090

47, 15.602,
197.746

13, 39.005, 31.138

50, 17.835,
197.591

52, 19.958,
197.459

Harmonies

Complementary

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



29, 4.551, 20.122



31, 4.221, 198.845

Rectangle

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



29, 4.551, 20.122



29, 4.551, 70.122



29, 4.551, 200.122



29, 4.551, 250.122

Sweetspot

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



29, 4.550, 20.134



41, 1.674, 19.445



29, 7.785, 325.073



20, 1.202, 19.494



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



29, 4.550, 20.134



37, 6.998, 20.391



31, 3.906, 73.931



14, 1.910, 19.813



19, 50.500, 35.965



48, 96.565, 40.001

Inverse Universe

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



31, 4.221, 198.845



41, 6.356, 198.673



30, 3.795, 257.037



15, 1.818, 199.090



39, 25.567, 196.409



83, 46.267, 196.411

Previews

White Background



This preview shows how the CIE LCh color 29, 4.551, 20.122 looks on a white background.

Color Contrast Check

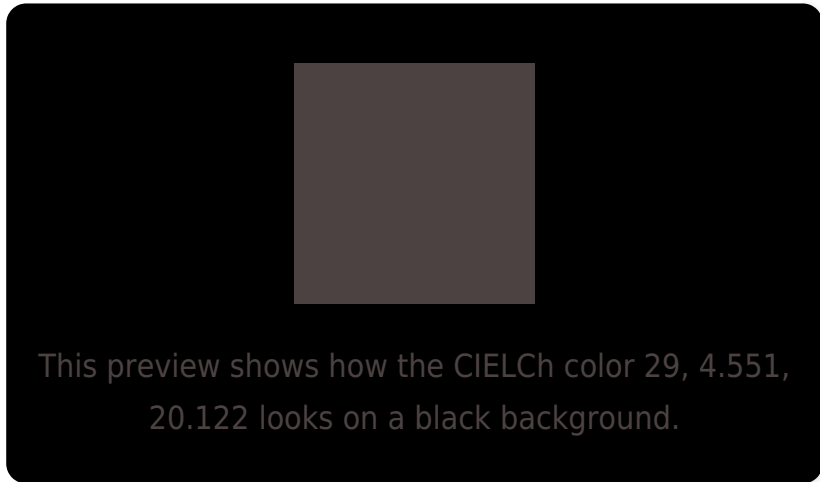
Large Text (above 18pt) WCAG AA ✓ Pass

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

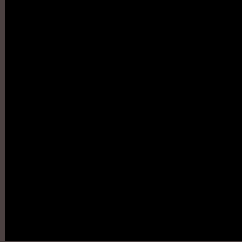
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 4.551, 20.122

Background



This preview shows how black text looks on a background with the CIELCh color 29, 4.551, 20.122.

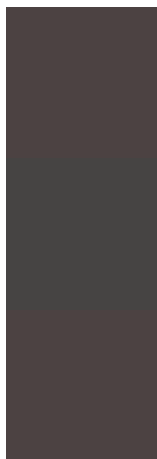


This preview shows how white text looks on a background with the CIELCh color 29, 4.551, 20.122.

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

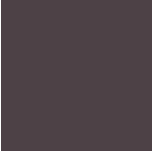
29, 4.551, 20.122

Protanopia

29, 1.094, 55.186

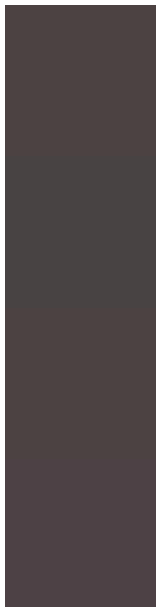
Deuteranopia

29, 4.551, 20.122



Tritanopia
29, 6.259, 349.661

Trichromacy



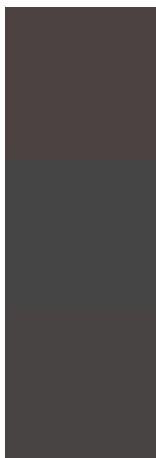
Original Color
29, 4.551, 20.122

Protanomaly
29, 2.246, 19.668

Deuteranomaly
29, 4.551, 20.122

Tritanomaly
29, 5.975, 355.017

Monochromacy



Original Color
29, 4.551, 20.122

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 1.788, 19.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 4.551, 20.122 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(76, 66, 66)` looks like.

```
.text, #text, p{  
    color:rgb(76, 66, 66)  
}
```

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(76, 66, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 66, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 4.551, 20.122 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(76, 66, 66) }
```

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

```
.border{ border-color:rgb(76, 66, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 66, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 66, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 66, 66);  
box-shadow:4px 4px 4px 4px rgb(76, 66, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 4.551, 20.122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 66, 66) }
```

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

```
.background{ background-color: rgb(76, 66,  
66) }
```

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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