

Converting Colors

CIELCh(29, 4.520, 8.171)

Have a look what the booklet for
CIELCh(29, 4.520, 8.171) contains.

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Color

CIELCh(29, 4.575, 12.104)

Conversions

Conversions Part 1

Format	Color
Hex	4C4243
RGB	76, 66, 67
RGB Percent	30%, 26%, 26%
CMY	0.7020, 0.7412, 0.7373
CMYK	0.00, 0.13, 0.12, 0.70
HSL	354°, 7%, 28%
HSV	354°, 13%, 30%
XYZ	5.9417, 5.8380, 6.1237
YIQ	69.1040, 5.6390, 2.4310

Conversions

Conversions Part 2

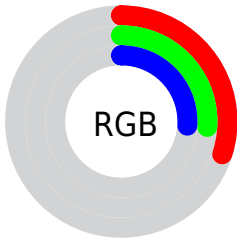
Format	Color
R_YB	76, 66, 67
Decimal	4997699
CIE Lab	29.00, 4.47, 0.96
CIE LCh	29, 4.575, 12.104
Yxy	5.8380, 0.3319, 0.3261
Android (android.graphics.Color)	4283187779 (0xFF4C4243)
YUV	69.1040, -1.0373, 6.0478
Hunter-Lab	24.1619, 1.6116, 1.8867

Details

The CIELCh color $[29, 4.575, 12.104]$ is a dark color, and the websafe version is hex `333333`. A complement of this color would be $[31, 4.303, 190.310]$, and the grayscale version is $[29, 0.005, 296.813]$.

A 20% lighter version of the original color is $[49, 4.555, 12.494]$, and $[9, 4.853, 12.201]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 8.288, 13.080]$, and if you desaturate by 10%, it is $[32, 1.066, 11.134]$.

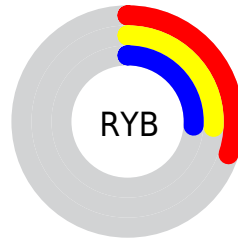
Distribution



 Red (30%)

 Green (26%)

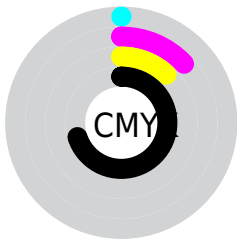
 Blue (26%)



 Red (30%)

 Yellow (26%)

 Blue (26%)

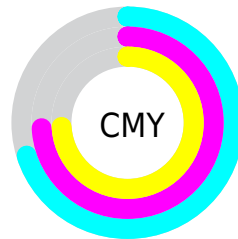


 Cyan (0%)

 Magenta (13%)

 Yellow (12%)

 Black (70%)



 Cyan (70%)

 Magenta (74%)

 Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 4.575, 12.104 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, 4.575, 12.104 by changing the saturation by 10% instead.

 29, 4.575, 12.104  29, 4.575, 12.104

 100, 4.575, 12.104  19, 4.575, 12.104

 49, 4.575, 12.104  9, 4.575, 12.104


 59, 4.575, 12.104  0, 4.575, 12.104


 69, 4.575, 12.104

 79, 4.575, 12.104

 89, 4.575, 12.104

 99, 4.575, 12.104

 29, 4.575, 12.104  29, 4.575, 12.104

 27, 8.288, 13.080  32, 1.066, 11.134

24, 12.197, 14.225

34, 2.238, 190.837

22, 16.268, 15.620

37, 5.348, 190.192

20, 20.446, 17.344

39, 8.279, 189.674

18, 24.643, 19.488

42, 11.045,
189.226

16, 28.749, 22.149

44, 13.662,
188.830

15, 32.591, 25.192

14, 35.753, 26.968

47, 16.147,
188.478

13, 37.786, 27.054

50, 18.513,
188.161

52, 20.773,
187.874

Harmonies

Complementary

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



29, 4.575, 12.104



31, 4.303, 190.310

Rectangle

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



29, 4.575, 12.104



29, 4.575, 62.104



29, 4.575, 192.104



29, 4.575, 242.104

Sweetspot

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



29, 4.574, 12.114



41, 1.692, 11.268



29, 7.553, 322.273



20, 1.214, 11.325



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, 4.574, 12.114



37, 7.021, 12.432



30, 3.732, 62.637



14, 1.925, 11.713



19, 48.454, 31.911



48, 92.255, 36.470

Inverse Universe

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



29, 4.574, 12.114



37, 7.021, 12.432



30, 3.556, 245.305



14, 1.925, 11.713



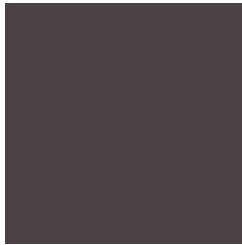
19, 48.454, 31.911



48, 92.255, 36.470

Previews

White Background



This preview shows how the CIELCh color 29, 4.575, 12.104 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 29, 4.575, 12.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

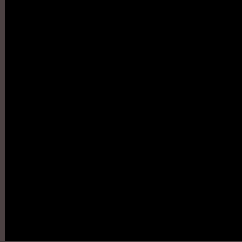
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 4.575, 12.104

Background



This preview shows how black text looks on a background with the CIELCh color 29, 4.575, 12.104.

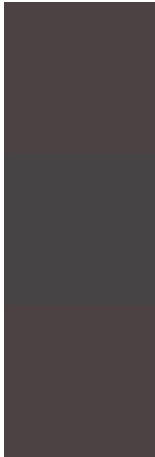


This preview shows how white text looks on a background with the CIELCh color 29, 4.575, 12.104.

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

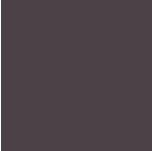
29, 4.575, 12.104

Protanopia

29, 0.890, 19.265

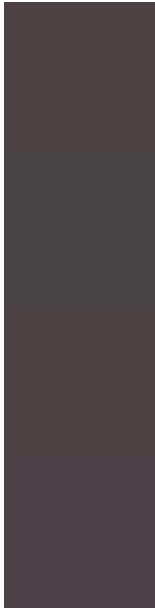
Deuteranopia

29, 4.575, 12.104



Tritanopia
29, 6.239, 342.308

Trichromacy



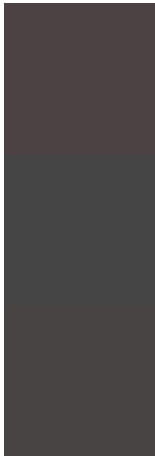
Original Color
29, 4.575, 12.104

Protanomaly
29, 2.331, 3.712

Deuteranomaly
29, 4.575, 12.104

Tritanomaly
29, 5.877, 347.295

Monochromacy



Original Color
29, 4.575, 12.104

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, 4.575, 12.104 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(76, 66, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 66, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 4.575, 12.104 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, 67) }
```

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

```
.border{ border-color:rgb(76, 66, 67) }
```

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, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 66, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 66, 67);  
box-shadow:4px 4px 4px 4px rgb(76, 66, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 4.575, 12.104 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, 67) }
```

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

```
.background{ background-color: rgb(76, 66,  
67) }
```

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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