

Converting Colors

CIELCh(29, 10.719, 7.064)

Have a look what the booklet for
CIELCh(29, 10.719, 7.064) contains.

CIELCh(29, 10.975, 4.563)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(29, 10.975, 4.563)

Conversions

Conversions Part 1

Format	Color
Hex	553E43
RGB	85, 62, 67
RGB Percent	33%, 24%, 26%
CMY	0.6653, 0.7556, 0.7360
CMYK	0.00, 0.27, 0.21, 0.67
HSL	347°, 16%, 29%
HSV	347°, 27%, 33%
XYZ	6.5417, 5.8380, 6.1444
YIQ	69.4470, 12.1030, 6.4310

Conversions

Conversions Part 2

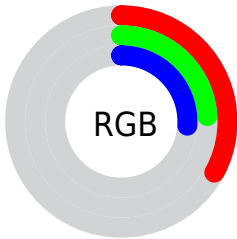
Format	Color
RYB	85, 62, 67
Decimal	5586499
CIELab	29.00, 10.94, 0.87
CIElCh	29, 10.975, 4.563
Yxy	5.8380, 0.3531, 0.3152
Android (android.graphics.Color)	4283776579 (0xFF553E43)
YUV	69.4470, -1.2064, 13.6400
Hunter-Lab	24.1619, 6.0444, 1.8359

Details

The CIELCh color **29, 10.975, 4.563** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **34, 9.971, 179.659**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **49, 10.763, 5.010**, and **9, 11.187, 4.503** is the 20% darker color. If you saturate the color by 10%, you get **26, 15.318, 5.884**, and if you desaturate by 10%, it is **32, 6.760, 3.445**.

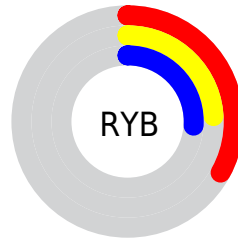
Distribution



Red (33%)

Green (24%)

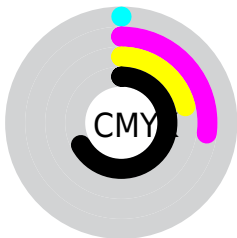
Blue (26%)



Red (33%)

Yellow (24%)

Blue (26%)

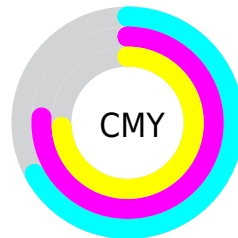


Cyan (0%)

Magenta (27%)

Yellow (21%)

Black (67%)



Cyan (67%)


Magenta (76%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 10.975, 4.563 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, 10.975, 4.563 by changing the saturation by 10% instead.

 29, 10.975, 4.563  29, 10.975, 4.563

 100, 10.975, 4.563  19, 10.975, 4.563

 49, 10.975, 4.563  9, 10.975, 4.563

 59, 10.975, 4.563  0, 10.975, 4.563


 69, 10.975, 4.563

 79, 10.975, 4.563

 89, 10.975, 4.563

 99, 10.975, 4.563

 29, 10.975, 4.563  29, 10.975, 4.563

 26, 15.318, 5.884  32, 6.760, 3.445

■ 24, 19.725, 7.464

■ 34, 2.714, 2.436

■ 22, 24.095, 9.392

■ 37, 1.148, 181.948

■ 20, 28.292, 11.775

■ 40, 4.823, 181.039

■ 18, 32.167, 14.736

■ 43, 8.318, 180.366

■ 17, 35.595, 18.384

■ 46, 11.642,
179.774

■ 16, 38.889, 22.132

■ 48, 14.810,
179.241

■ 15, 39.922, 22.925

■ 51, 17.834,
178.756

■ 54, 20.728,
178.312

Harmonies

Complementary

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



29, 10.975, 4.563



34, 9.971, 179.659

Rectangle

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



29, 10.975, 4.563



29, 10.975, 54.563



29, 10.975, 184.563



29, 10.975, 234.563

Sweetspot

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



29, 10.974, 4.567



45, 3.915, 2.568



29, 16.573, 318.876



22, 2.759, 2.672



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



29, 10.974, 4.567



37, 16.508, 5.350



31, 8.897, 46.315



16, 2.216, 2.620



21, 47.423, 25.024



49, 86.949, 29.051

Inverse Universe

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



29, 10.974, 4.567



37, 16.508, 5.350



33, 7.625, 229.343



16, 2.216, 2.620



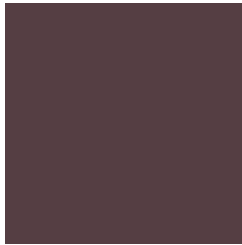
21, 47.423, 25.024



49, 86.949, 29.051

Previews

White Background



This preview shows how the CIE LCh color 29, 10.975, 4.563 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 29, 10.975, 4.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

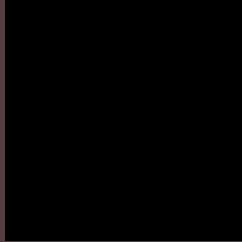
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 10.975, 4.563

Background



This preview shows how black text looks on a background with the CIELCh color 29, 10.975, 4.563.

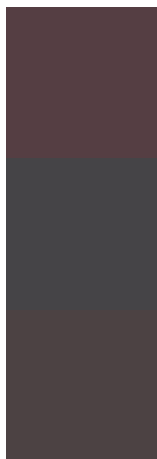


This preview shows how white text looks on a background with the CIELCh color 29, 10.975, 4.563.

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, 10.975, 4.563

Protanopia

29, 1.989, 303.237

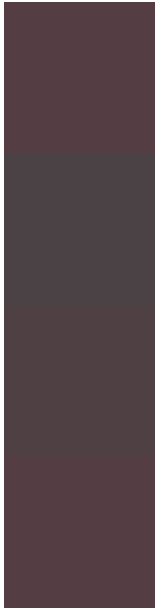
Deuteranopia

29, 4.575, 12.104



Tritanopia
29, 10.975, 4.563

Trichromacy



Original Color

29, 10.975, 4.563

Protanomaly

29, 4.775, 347.667

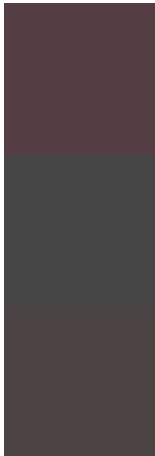
Deuteranomaly

29, 6.496, 9.178

Tritanomaly

29, 10.975, 4.563

Monochromacy



Original Color

29, 10.975, 4.563

Achromatopsia

30, 0.005, 296.813

Achromatomaly

29, 4.241, 2.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 10.975, 4.563 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(85, 62, 67)` looks like.

```
.text, #text, p{  
    color:rgb(85, 62, 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(85, 62, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 62, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 10.975, 4.563 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(85, 62, 67) }
```

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

```
.border{ border-color:rgb(85, 62, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 62, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 62, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 62, 67);  
box-shadow:4px 4px 4px 4px rgb(85, 62, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 10.975, 4.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 62, 67) }
```

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

```
.background{ background-color: rgb(85, 62,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor