

Converting Colors

CIELCh(29, 12.998, 158.537)

Have a look what the booklet for
CIELCh(29, 12.998, 158.537)
contains.

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Color

CIELCh(29, 12.671, 159.948)

Conversions

Conversions Part 1

Format	Color
Hex	32493D
RGB	50, 73, 61
RGB Percent	20%, 29%, 24%
CMY	0.8026, 0.7124, 0.7595
CMYK	0.31, 0.00, 0.16, 0.71
HSL	149°, 19%, 24%
HSV	149°, 31%, 29%
XYZ	4.5887, 5.8380, 5.3474
YIQ	64.7550, -9.8560, -8.6080

Conversions

Conversions Part 2

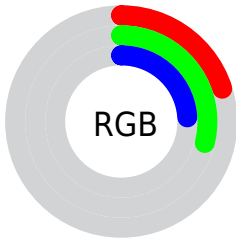
Format	Color
RYB	50, 66, 73
Decimal	3295549
CIELab	29.00, -11.90, 4.34
CIELCh	29, 12.671, 159.948
Yxy	5.8380, 0.2909, 0.3701
Android (android.graphics.Color)	4281485629 (0xFF32493D)
YUV	64.7550, -1.8512, -12.9401
Hunter-Lab	24.1619, -8.3836, 3.7915

Details

The CIELCh color **29, 12.671, 159.948** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **24, 13.071, 345.002**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 13.019, 158.925**, and **9, 12.243, 160.992** is the 20% darker color. If you saturate the color by 10%, you get **28, 16.578, 158.939**, and if you desaturate by 10%, it is **30, 8.668, 160.856**.

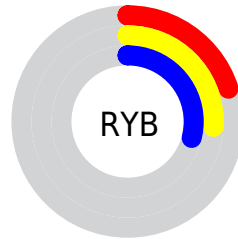
Distribution



Red (20%)

Green (29%)

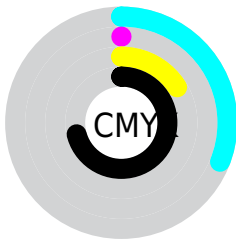
Blue (24%)



Red (20%)

Yellow (26%)

Blue (29%)

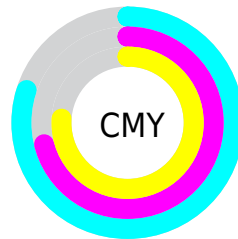


Cyan (31%)

Magenta (0%)

Yellow (16%)

Black (71%)



Cyan (80%)

Magenta (71%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 12.671, 159.948 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, 12.671, 159.948 by changing the saturation by 10% instead.

■ 29, 12.671,
159.948

■ 29, 12.671,
159.948

■ 100, 12.671,
159.948

■ 19, 12.671,
159.948

■ 49, 12.671,
159.948

■ 9, 12.671, 159.948

■ 59, 12.671,
159.948

■ 0, 12.671, 159.948

■ 69, 12.671,
159.948

■ 79, 12.671,
159.948

■ 89, 12.671,
159.948

■ 99, 12.671,

159.948

■ 29, 12.671,
159.948

■ 29, 12.671,
159.948

■ 28, 16.578,
158.939

■ 30, 8.668, 160.856

■ 28, 20.333,
157.815

■ 30, 4.615, 161.690

■ 31, 0.554, 162.740

■ 28, 23.881,
156.554

■ 32, 3.481, 343.011

■ 27, 27.167,
155.142

■ 33, 7.463, 343.665

■ 27, 30.149,
153.563

■ 34, 11.374,
344.253

■ 27, 32.845,
151.878

■ 35, 15.199,
344.796

■ 27, 35.144,
150.626

■ 36, 18.931,
345.304

■ 37, 22.563,
345.780

Harmonies

Complementary

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



29, 12.671, 159.948



24, 13.071, 345.002

Rectangle

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



29, 12.671, 159.948



29, 12.671, 209.948



29, 12.671, 339.948



29, 12.671, 29.948

Sweetspot

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



29, 12.672, 159.947



39, 4.496, 161.856



30, 15.412, 126.565



19, 3.151, 161.789



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, 12.672, 159.947



37, 18.795, 159.146



29, 9.346, 194.947



14, 2.209, 161.920



36, 44.278, 149.541



80, 83.955, 147.739

Inverse Universe

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



24, 13.071, 345.002



29, 19.521, 345.792



24, 11.173, 19.125



13, 2.231, 343.053



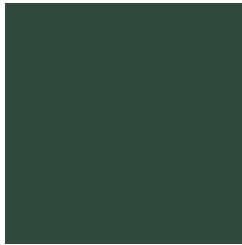
20, 42.977, 357.405



49, 77.824, 0.524

Previews

White Background



This preview shows how the CIELCh color 29, 12.671, 159.948 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, 12.671, 159.948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

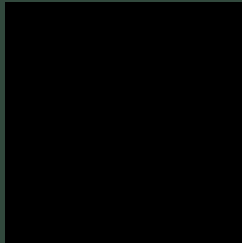
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 12.671, 159.948

Background



This preview shows how black text looks on a background with the CIELCh color 29, 12.671, 159.948.

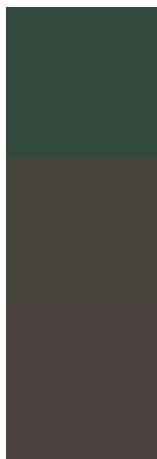


This preview shows how white text looks on a background with the CIELCh color 29, 12.671, 159.948.

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](#).

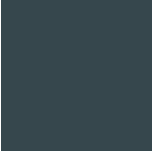
Dichromacy



Original Color
29, 12.671, 159.948

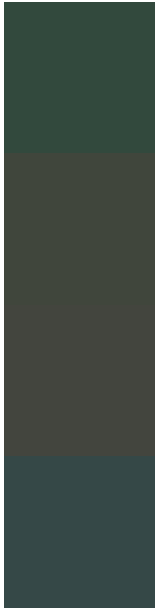
Protanopia
29, 6.060, 91.110

Deuteranopia
29, 5.449, 40.728



Tritanopia
29, 7.706, 228.789

Trichromacy



Original Color
29, 12.671, 159.948

Protanomaly
29, 6.986, 131.951

Deuteranomaly
29, 4.585, 120.745

Tritanomaly
29, 7.899, 193.495

Monochromacy



Original Color
29, 12.671, 159.948

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 4.410, 162.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 12.671, 159.948 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(50, 73, 61)` looks like.

```
.text, #text, p{  
    color:rgb(50, 73, 61)  
}
```

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(50, 73, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 73, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 12.671, 159.948 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(50, 73, 61) }
```

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

```
.border{ border-color:rgb(50, 73, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 73, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 73, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 73, 61);  
box-shadow:4px 4px 4px 4px rgb(50, 73, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 12.671, 159.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 73, 61) }
```

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

```
.background{ background-color: rgb(50, 73,  
61) }
```

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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