

Converting Colors

CIELCh(29, 11.991, 109.271)

Have a look what the booklet for
CIELCh(29, 11.991, 109.271)
contains.

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Color

CIELCh(29, 12.090, 110.116)

Conversions

Conversions Part 1

Format	Color
Hex	454633
RGB	69, 70, 51
RGB Percent	27%, 27%, 20%
CMY	0.7305, 0.7266, 0.8010
CMYK	0.01, 0.00, 0.27, 0.73
HSL	63°, 16%, 24%
HSV	63°, 27%, 27%
XYZ	5.1996, 5.8380, 3.9546
YIQ	67.5350, 5.5030, -6.1210

Conversions

Conversions Part 2

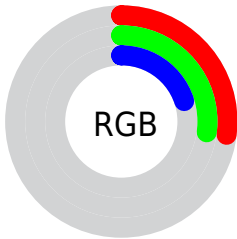
Format	Color
R_{YB}	51, 70, 52
Decimal	4539955
CIE Lab	29.00, -4.16, 11.35
CIE LCh	29, 12.090, 110.116
Yxy	5.8380, 0.3468, 0.3894
Android (android.graphics.Color)	4282730035 (0xFF454633)
YUV	67.5350, -8.1518, 1.2848
Hunter-Lab	24.1619, -3.8707, 7.2092

Details

The CIELCh color **29, 12.090, 110.116** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 12.797, 294.820**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 12.244, 110.541**, and **9, 12.353, 109.225** is the 20% darker color. If you saturate the color by 10%, you get **29, 16.431, 109.339**, and if you desaturate by 10%, it is **29, 7.679, 110.909**.

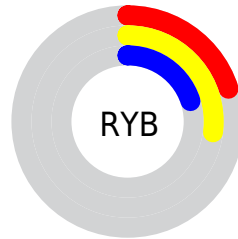
Distribution



Red (27%)

Green (27%)

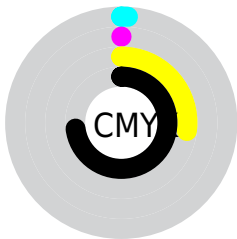
Blue (20%)



Red (20%)

Yellow (27%)

Blue (20%)

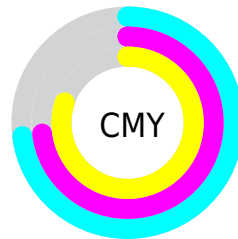


Cyan (1%)

Magenta (0%)

Yellow (27%)

Black (73%)



Cyan (73%)


Magenta (73%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 12.090, 110.116 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, 12.090, 110.116 by changing the saturation by 10% instead.

 29, 12.090,
110.116


 29, 12.090,
110.116

 100, 12.090,
110.116


 19, 12.090,
110.116


 49, 12.090,
110.116


 9, 12.090, 110.116

 59, 12.090,
110.116

 0, 12.090, 110.116

 69, 12.090,
110.116

 79, 12.090,
110.116

 89, 12.090,
110.116

 99, 12.090,

110.116

■ 29, 12.090,
110.116

■ 29, 12.090,
110.116

■ 29, 16.431,
109.339

■ 29, 7.679, 110.909

■ 29, 20.654,
108.582

■ 29, 3.228, 111.691

■ 29, 24.692,
107.871

■ 30, 1.243, 292.488

■ 28, 28.447,
107.231

■ 30, 5.716, 293.228

■ 28, 31.788,
106.697

■ 30, 10.182,
293.955

■ 28, 34.564,
106.303

■ 31, 14.632,
294.654

■ 31, 19.060,
295.322

■ 28, 37.299,
105.918

■ 31, 23.462,
295.959

■ 28, 38.075,
105.815

■ 32, 27.832,
296.563

Harmonies

Complementary

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



29, 12.090, 110.116



22, 12.797, 294.820

Rectangle

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



29, 12.090, 110.116



29, 12.090, 160.116



29, 12.090, 290.116



29, 12.090, 340.116

Sweetspot

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



29, 12.091, 110.120



39, 4.485, 111.606



24, 8.780, 25.169



19, 3.141, 111.539



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



29, 12.091, 110.120



38, 18.333, 109.560



28, 13.110, 129.711



14, 2.536, 111.583



40, 48.674, 105.928



87, 88.936, 106.155

Inverse Universe

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



22, 12.797, 294.820



27, 19.743, 295.671



23, 13.501, 311.887



12, 2.583, 292.970



9, 66.731, 306.609



28, 122.288, 306.409

Previews

White Background



This preview shows how the CIELCh color 29, 12.090, 110.116 looks on a white background.

Color Contrast Check

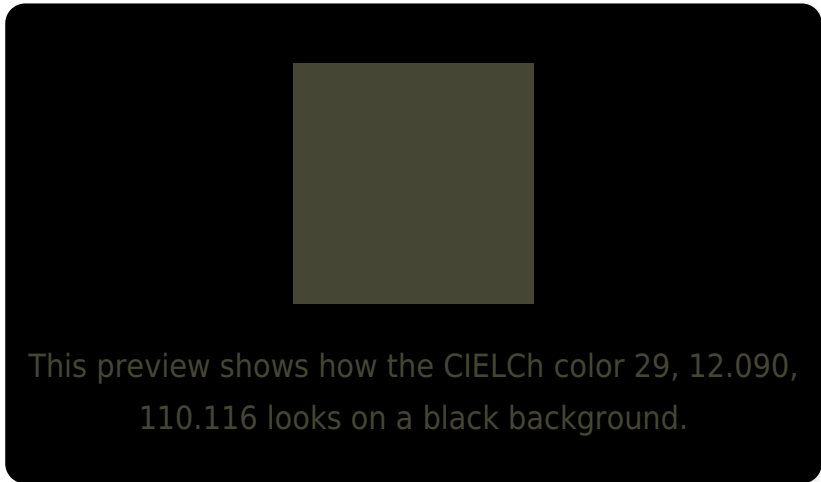
Large Text (above 18pt) WCAG AA ✓ Pass

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

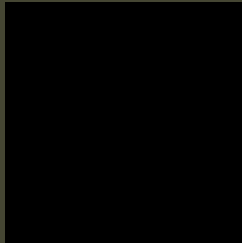
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

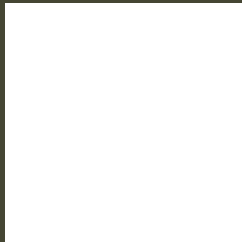
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 29, 12.090, 110.116

Background



This preview shows how black text looks on a background with the CIELCh color 29, 12.090, 110.116.

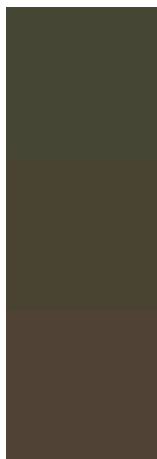


This preview shows how white text looks on a background with the CIELCh color 29, 12.090, 110.116.

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, 12.090, 110.116

Protanopia

29, 11.757, 96.003

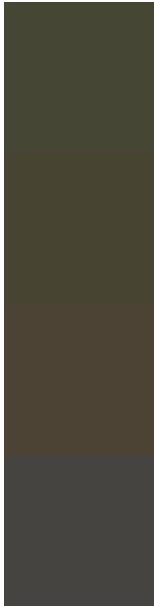
Deuteranopia

29, 11.366, 71.471



Tritanopia
29, 3.686, 319.056

Trichromacy



Original Color

29, 12.090, 110.116

Protanomaly

29, 12.141, 103.256

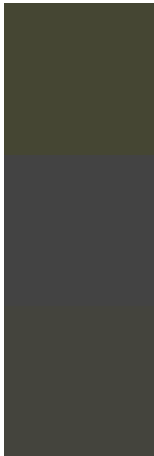
Deuteranomaly

29, 10.586, 83.945

Tritanomaly

29, 2.715, 90.144

Monochromacy



Original Color

29, 12.090, 110.116

Achromatopsia

28, 0.004, 296.813

Achromatomaly

29, 4.493, 109.299

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 12.090, 110.116 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(69, 70, 51)` looks like.

```
.text, #text, p{  
    color:rgb(69, 70, 51)  
}
```

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(69, 70, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 70, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 12.090, 110.116 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(69, 70, 51) }
```

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

```
.border{ border-color:rgb(69, 70, 51) }
```

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

Here you see how a box with a 4 pixel rgb(69, 70, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 70, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 70, 51);  
box-shadow:4px 4px 4px 4px rgb(69, 70, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 12.090, 110.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 70, 51) }
```

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

```
.background{ background-color: rgb(69, 70,  
51) }
```

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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