

Converting Colors

CIELCh(29, 24.085, 109.582)

Have a look what the booklet for
CIELCh(29, 24.085, 109.582)
contains.

CIELCh(29, 24.164, 109.138)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(29, 24.164, 109.138)

Conversions

Conversions Part 1

Format	Color
Hex	444720
RGB	68, 71, 32
RGB Percent	27%, 28%, 13%
CMY	0.7334, 0.7216, 0.8745
CMYK	0.04, 0.00, 0.55, 0.72
HSL	65°, 38%, 20%
HSV	65°, 55%, 28%
XYZ	4.8963, 5.8380, 2.2346
YIQ	65.6570, 10.7310, -12.7650

Conversions

Conversions Part 2

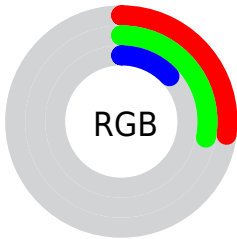
Format	Color
R_YB	32, 71, 35
Decimal	4474656
CIE Lab	29.00, -7.92, 22.83
CIE LCh	29, 24.164, 109.138
Yxy	5.8380, 0.3775, 0.4502
Android (android.graphics.Color)	4282664736 (0xFF444720)
YUV	65.6570, -16.5929, 2.0548
Hunter-Lab	24.1619, -6.1109, 11.4299

Details

The CIELCh color **29, 24.164, 109.138** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **15, 27.582, 299.243**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 24.216, 109.053**, and **9, 15.406, 117.841** is the 20% darker color. If you saturate the color by 10%, you get **29, 28.053, 108.517**, and if you desaturate by 10%, it is **29, 20.013, 109.833**.

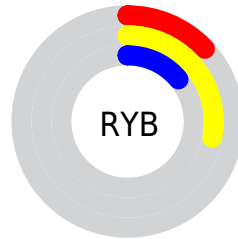
Distribution



Red (27%)

Green (28%)

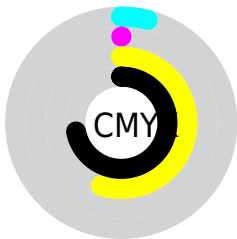
Blue (13%)



Red (13%)

Yellow (28%)

Blue (14%)

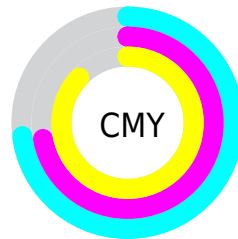


Cyan (4%)

Magenta (0%)

Yellow (55%)

Black (72%)



Cyan (73%)

Magenta (72%)

Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 24.164, 109.138 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, 24.164, 109.138 by changing the saturation by 10% instead.

 29, 24.164,
109.138


 29, 24.164,
109.138

 100, 24.164,
109.138


 19, 24.164,
109.138


 49, 24.164,
109.138

 9, 24.164, 109.138

 59, 24.164,
109.138

 0, 24.164, 109.138

 69, 24.164,
109.138

 79, 24.164,
109.138

 89, 24.164,
109.138

 99, 24.164,

109.138

■ 29, 24.164,
109.138

■ 29, 24.164,
109.138

■ 29, 28.053,
108.517

■ 29, 20.013,
109.833

■ 29, 31.553,
107.998

■ 29, 15.691,
110.568

■ 29, 34.503,
107.625

■ 30, 11.261,
111.323

■ 29, 37.190,
107.311

■ 30, 6.767, 112.082

■ 29, 38.637,
107.133

■ 30, 2.237, 112.832

■ 30, 2.307, 293.585

■ 31, 6.850, 294.298

■ 31, 11.384,
294.988

■ 31, 15.898,
295.650

Harmonies

Complementary

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



29, 24.164, 109.138



15, 27.582, 299.243

Rectangle

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



29, 24.164, 109.138



29, 24.164, 159.138



29, 24.164, 289.138



29, 24.164, 339.138

Sweetspot

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



29, 24.165, 109.140



38, 8.968, 111.955



18, 19.465, 29.290



19, 5.965, 111.893



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, 24.165, 109.140



37, 34.999, 108.314



27, 26.558, 129.103



14, 2.538, 112.560



40, 48.770, 107.313



86, 89.136, 107.641

Inverse Universe

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



15, 27.582, 299.243



16, 41.860, 301.382



17, 28.191, 313.618



12, 2.586, 293.886



9, 66.576, 306.756



29, 122.148, 306.480

Previews

White Background



This preview shows how the CIE LCh color 29, 24.164, 109.138 looks on a white background.

Color Contrast Check

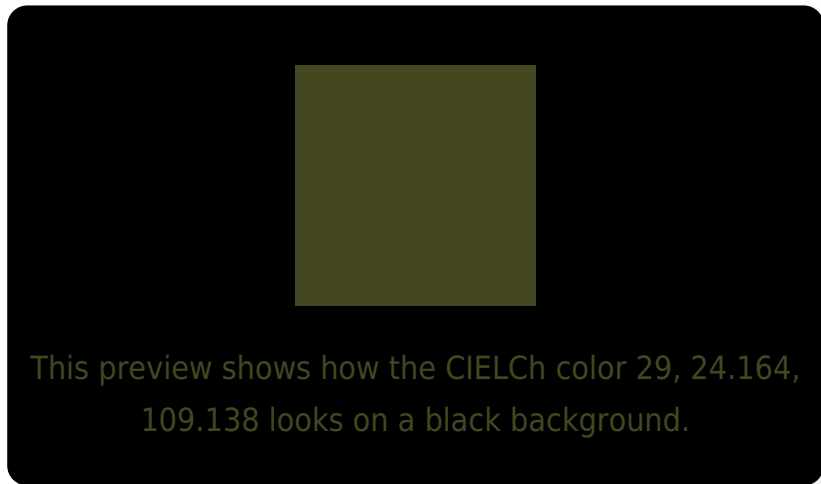
Large Text (above 18pt) WCAG AA ✓ Pass

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

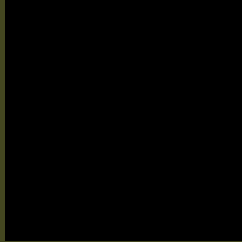
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 24.164, 109.138

Background



This preview shows how black text looks on a background with the CIELCh color 29, 24.164, 109.138.



This preview shows how white text looks on a background with the CIELCh color 29, 24.164, 109.138.

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, 24.164, 109.138

Protanopia

29, 23.493, 95.484

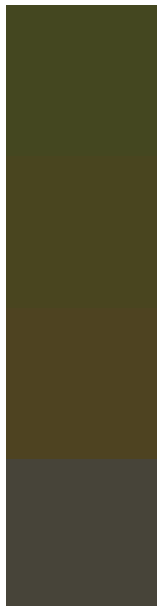
Deuteranopia

29, 22.221, 79.852



Tritanopia
29, 3.916, 324.749

Trichromacy



Original Color
29, 24.164, 109.138

Protanomaly
29, 23.718, 100.582

Deuteranomaly
29, 22.193, 91.090

Tritanomaly
29, 7.186, 97.485

Monochromacy



Original Color
29, 24.164, 109.138

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 8.983, 111.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 24.164, 109.138 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(68, 71, 32)` looks like.

```
.text, #text, p{  
    color:rgb(68, 71, 32)  
}
```

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(68, 71, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 71, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 24.164, 109.138 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(68, 71, 32) }
```

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

```
.border{ border-color:rgb(68, 71, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 71, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 71, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 71, 32);  
box-shadow:4px 4px 4px 4px rgb(68, 71, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 24.164, 109.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 71, 32) }
```

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

```
.background{ background-color: rgb(68, 71,  
32) }
```

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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