

Converting Colors

CIELCh(29, 21.322, 142.969)

Have a look what the booklet for
CIElCh(29, 21.322, 142.969)
contains.

CIElCh(29, 21.322, 142.969)	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, 21.322, 142.969)

Conversions

Conversions Part 1

Format	Color
Hex	2F4B30
RGB	47, 75, 48
RGB Percent	18%, 29%, 19%
CMY	0.8160, 0.7062, 0.8120
CMYK	0.37, 0.00, 0.36, 0.71
HSL	122°, 23%, 24%
HSV	122°, 37%, 29%
XYZ	4.2125, 5.8380, 3.6939
YIQ	63.5500, -8.0210, -14.3330

Conversions

Conversions Part 2

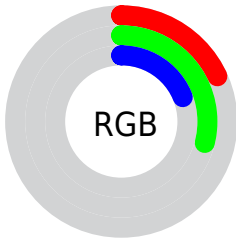
Format	Color
R_YB	47, 74, 75
Decimal	3099440
CIE _{Lab}	29.00, -17.02, 12.84
CIE _{LCh}	29, 21.322, 142.969
Yxy	5.8380, 0.3065, 0.4248
Android (android.graphics.Color)	4281289520 (0xFF2F4B30)
YUV	63.5500, -7.6661, -14.5143
Hunter-Lab	24.1619, -11.1632, 7.8489

Details

The CIELCh color **29, 21.322, 142.969** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **24, 21.311, 327.263**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 21.493, 142.917**, and **9, 21.231, 143.091** is the 20% darker color. If you saturate the color by 10%, you get **28, 26.827, 142.078**, and if you desaturate by 10%, it is **30, 15.654, 143.757**.

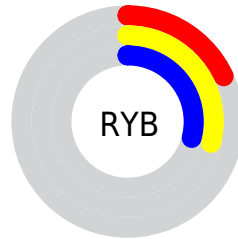
Distribution



 Red (18%)

 Green (29%)

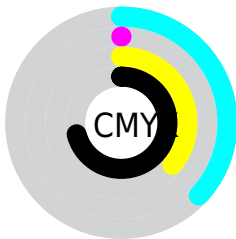
 Blue (19%)




 Red (18%)

 Yellow (29%)

 Blue (29%)

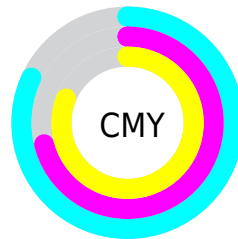


 Cyan (37%)

 Magenta (0%)

 Yellow (36%)

 Black (71%)



 Cyan (82%)


 Magenta (71%)

 Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 21.322, 142.969 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, 21.322, 142.969 by changing the saturation by 10% instead.

 29, 21.322,
142.969


 29, 21.322,
142.969

 100, 21.322,
142.969


 19, 21.322,
142.969


 49, 21.322,
142.969


 9, 21.322, 142.969

 59, 21.322,
142.969

 0, 21.322, 142.969

 69, 21.322,
142.969

 79, 21.322,
142.969

 89, 21.322,
142.969

 99, 21.322,

142.969

■ 29, 21.322,
142.969

■ 29, 21.322,
142.969

■ 28, 26.827,
142.078

■ 30, 15.654,
143.757

■ 28, 32.050,
141.089

■ 30, 9.916, 144.447

■ 28, 36.856,
140.026

■ 31, 4.183, 145.058

■ 32, 1.489, 325.450

■ 27, 41.086,
138.937

■ 33, 7.060, 325.961

■ 27, 44.572,
137.902

■ 34, 12.500,
326.350

■ 27, 47.613,
137.063

■ 35, 17.794,
326.683

■ 27, 48.456,
136.828

■ 36, 22.932,
326.970

■ 38, 27.909,
327.220

Harmonies

Complementary

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



29, 21.322, 142.969



24, 21.311, 327.263

Rectangle

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



29, 21.322, 142.969



29, 21.322, 192.969



29, 21.322, 322.969



29, 21.322, 12.969

Sweetspot

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



29, 21.323, 142.969



40, 7.749, 144.818



31, 17.491, 108.428



19, 5.138, 144.784



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, 21.323, 142.969



37, 31.558, 142.144



29, 14.633, 162.243



15, 3.227, 144.980



37, 60.265, 136.595



80, 110.011, 136.238

Inverse Universe

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



24, 21.311, 327.263



29, 31.474, 327.703



23, 15.360, 348.812



14, 3.233, 325.818



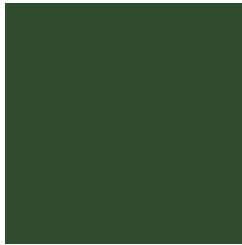
23, 57.427, 329.626



54, 103.723, 329.730

Previews

White Background



This preview shows how the CIELCh color 29, 21.322, 142.969 looks on a white background.

Color Contrast Check

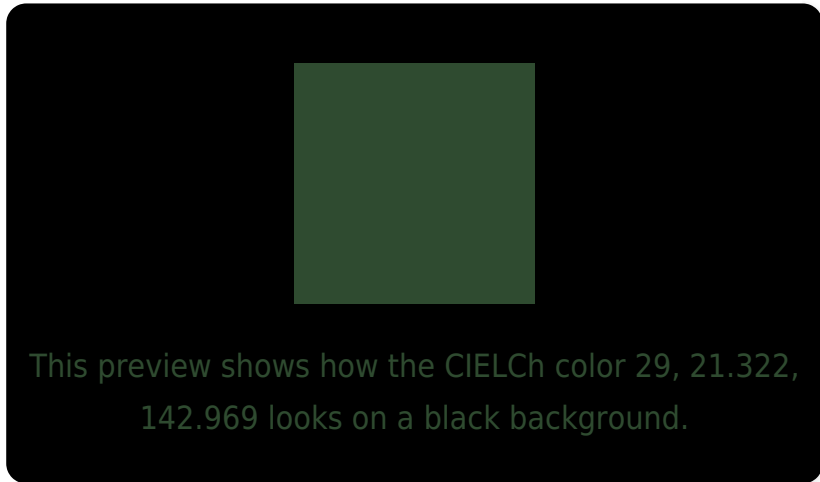
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.322, 142.969

Background



This preview shows how black text looks on a background with the CIELCh color 29, 21.322, 142.969.



This preview shows how white text looks on a background with the CIELCh color 29, 21.322, 142.969.

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

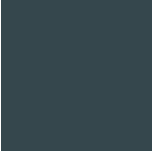
29, 21.322, 142.969

Protanopia

29, 14.950, 95.831

Deuteranopia

29, 12.566, 69.415



Tritanopia
29, 8.025, 227.431

Trichromacy



Original Color
29, 21.322, 142.969

Protanomaly
29, 16.172, 119.170

Deuteranomaly
29, 12.733, 107.695

Tritanomaly
29, 9.750, 174.445

Monochromacy



Original Color
29, 21.322, 142.969

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 7.416, 146.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 21.322, 142.969 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(47, 75, 48)` looks like.

```
.text, #text, p{  
    color:rgb(47, 75, 48)  
}
```

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(47, 75, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 75, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 21.322, 142.969 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(47, 75, 48) }
```

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

```
.border{ border-color:rgb(47, 75, 48) }
```

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

Here you see how a box with a 4 pixel rgb(47, 75, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 75, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 75, 48);  
box-shadow:4px 4px 4px 4px rgb(47, 75, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 21.322, 142.969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 75, 48) }
```

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

```
.background{ background-color: rgb(47, 75,  
48) }
```

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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