

Converting Colors

CIELCh(28, 12.786, 148.606)

Have a look what the booklet for
CIELCh(28, 12.786, 148.606)
contains.

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Color

CIELCh(28, 12.925, 149.168)

Conversions

Conversions Part 1

Format	Color
Hex	344738
RGB	52, 71, 56
RGB Percent	20%, 28%, 22%
CMY	0.7976, 0.7231, 0.7819
CMYK	0.27, 0.00, 0.21, 0.72
HSL	133°, 16%, 24%
HSV	133°, 27%, 28%
XYZ	4.3287, 5.4574, 4.5175
YIQ	63.6090, -6.5090, -8.6930

Conversions

Conversions Part 2

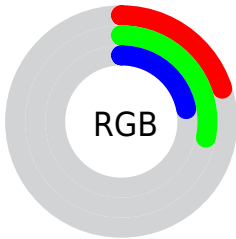
Format	Color
RYB	52, 68, 71
Decimal	3426104
CIELab	28.00, -11.10, 6.62
CIELCh	28, 12.925, 149.168
Yxy	5.4574, 0.3026, 0.3815
Android (android.graphics.Color)	4281616184 (0xFF344738)
YUV	63.6090, -3.7512, -10.1811
Hunter-Lab	23.3610, -7.8065, 4.8874

Details

The CIELCh color **28, 12.925, 149.168** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 12.986, 332.438**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 12.519, 149.449**, and **8, 13.189, 149.629** is the 20% darker color. If you saturate the color by 10%, you get **27, 17.697, 148.339**, and if you desaturate by 10%, it is **29, 8.105, 149.898**.

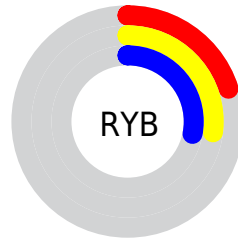
Distribution



 Red (20%)

 Green (28%)

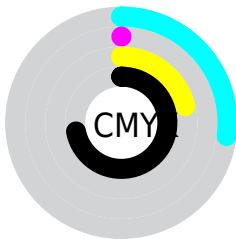
 Blue (22%)




 Red (20%)

 Yellow (27%)

 Blue (28%)

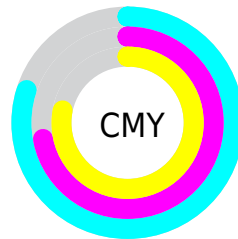


 Cyan (27%)

 Magenta (0%)

 Yellow (21%)

 Black (72%)



 Cyan (80%)

 Magenta (72%)

 Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 12.925, 149.168 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 28, 12.925, 149.168 by changing the saturation by 10% instead.

 28, 12.925,
149.168

 28, 12.925,
149.168

 100, 12.925,
149.168


 18, 12.925,
149.168


 48, 12.925,
149.168


 8, 12.925, 149.168

 58, 12.925,
149.168

 0, 12.925, 149.168

 68, 12.925,
149.168

 78, 12.925,
149.168

 88, 12.925,
149.168

 98, 12.925,

149.168

■ 28, 12.925,
149.168

■ 28, 12.925,
149.168

■ 27, 17.697,
148.339

■ 29, 8.105, 149.898

■ 29, 3.290, 150.560

■ 27, 22.355,
147.395

■ 30, 1.478, 330.972

■ 26, 26.824,
146.326

■ 31, 6.167, 331.541

■ 26, 31.022,
145.126

■ 32, 10.754,
331.987

■ 26, 34.865,
143.798

■ 33, 15.225,
332.381

■ 25, 38.274,
142.367

■ 34, 19.570,
332.731

■ 25, 41.373,
141.173

■ 35, 23.786,
333.046

■ 25, 42.288,
140.892

■ 36, 27.871,
333.331

Harmonies

Complementary

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



28, 12.925, 149.168



24, 12.986, 332.438

Rectangle

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



28, 12.925, 149.168



28, 12.925, 199.168



28, 12.925, 329.168



28, 12.925, 19.168

Sweetspot

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



28, 12.926, 149.168



38, 4.753, 150.466



29, 12.206, 116.357



18, 3.330, 150.410



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



28, 12.926, 149.168



36, 19.109, 148.651



28, 8.958, 173.667



14, 2.688, 150.448



36, 54.733, 139.890



79, 103.141, 138.569

Inverse Universe

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



24, 12.986, 332.438



30, 19.202, 332.828



24, 9.606, 358.465



13, 2.696, 331.349



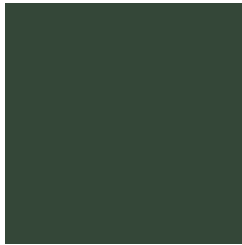
21, 49.655, 338.079



51, 89.716, 338.993

Previews

White Background



This preview shows how the CIELCh color 28, 12.925, 149.168 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 28, 12.925, 149.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

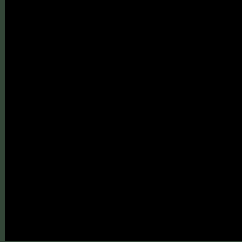
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

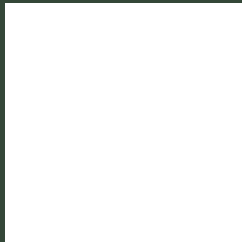
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 12.925, 149.168

Background



This preview shows how black text looks on a background with the CIELCh color 28, 12.925, 149.168.

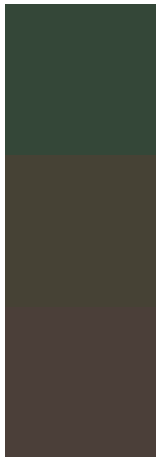


This preview shows how white text looks on a background with the CIELCh color 28, 12.925, 149.168.

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](#).

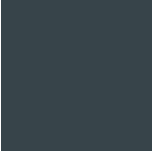
Dichromacy



Original Color
28, 12.925, 149.168

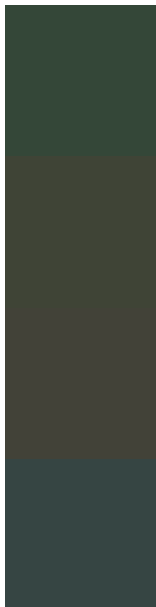
Protanopia
28, 8.580, 95.630

Deuteranopia
28, 6.920, 54.019



Tritanopia
28, 6.480, 235.779

Trichromacy



Original Color
28, 12.925, 149.168

Protanomaly
28, 9.297, 122.972

Deuteranomaly
28, 6.446, 108.892

Tritanomaly
28, 6.534, 186.899

Monochromacy



Original Color
28, 12.925, 149.168

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 5.037, 148.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 12.925, 149.168 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(52, 71, 56)` looks like.

```
.text, #text, p{  
    color:rgb(52, 71, 56)  
}
```

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(52, 71, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 71, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 12.925, 149.168 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(52, 71, 56) }
```

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

```
.border{ border-color:rgb(52, 71, 56) }
```

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

Here you see how a box with a 4 pixel rgb(52, 71, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 71, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 71, 56);  
box-shadow:4px 4px 4px 4px rgb(52, 71, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 12.925, 149.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 71, 56) }
```

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

```
.background{ background-color: rgb(52, 71,  
56) }
```

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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