

Converting Colors

CIELCh(28, 19.908, 145.950)

Have a look what the booklet for
CIELCh(28, 19.908, 145.950)
contains.

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Color

CIELCh(28, 19.908, 145.950)

Conversions

Conversions Part 1

Format	Color
Hex	2C4830
RGB	44, 72, 48
RGB Percent	17%, 28%, 19%
CMY	0.8257, 0.7158, 0.8101
CMYK	0.39, 0.00, 0.33, 0.72
HSL	129°, 24%, 23%
HSV	129°, 39%, 28%
XYZ	3.9480, 5.4574, 3.6888
YIQ	60.8920, -8.9840, -13.4000

Conversions

Conversions Part 2

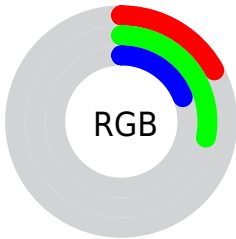
Format	Color
R_{YB}	44, 69, 72
Decimal	2902064
CIE _{Lab}	28.00, -16.49, 11.15
CIE _{LCh}	28, 19.908, 145.950
Y _{xy}	5.4574, 0.3015, 0.4168
Android (android.graphics.Color)	4281092144 (0xFF2C4830)
YUV	60.8920, -6.3558, -14.8143
Hunter-Lab	23.3610, -10.7156, 6.9905

Details

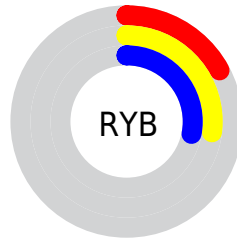
The CIELCh color **28, 19.908, 145.950** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **22, 19.936, 330.693**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 20.149, 145.652**, and **8, 19.600, 145.107** is the 20% darker color. If you saturate the color by 10%, you get **27, 24.877, 145.008**, and if you desaturate by 10%, it is **29, 14.798, 146.778**.

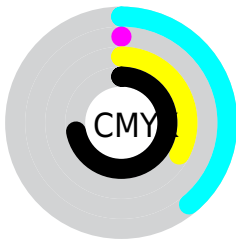
Distribution



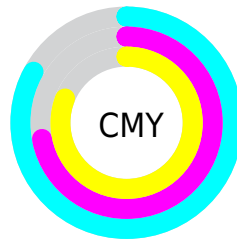
- Red (17%)
- Green (28%)
- Blue (19%)



- Red (17%)
- Yellow (27%)
- Blue (28%)



- Cyan (39%)
- Magenta (0%)
- Yellow (33%)
- Black (72%)





- Cyan (83%)
- Magenta (72%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 19.908, 145.950 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, 19.908, 145.950 by changing the saturation by 10% instead.

 28, 19.908,
145.950


 28, 19.908,
145.950

 100, 19.908,
145.950


 18, 19.908,
145.950


 48, 19.908,
145.950


 8, 19.908, 145.950

 58, 19.908,
145.950

 0, 19.908, 145.950

 68, 19.908,
145.950

 78, 19.908,
145.950

 88, 19.908,
145.950

 98, 19.908,

145.950

■ 28, 19.908,
145.950

■ 28, 19.908,
145.950

■ 27, 24.877,
145.008

■ 29, 14.798,
146.778

■ 27, 29.614,
143.947

■ 29, 9.623, 147.504

■ 27, 34.019,
142.770

■ 30, 4.445, 148.149

■ 31, 0.685, 328.456

■ 26, 37.985,
141.499

■ 32, 5.730, 329.117

■ 26, 41.414,
140.192

■ 33, 10.666,
329.547

■ 26, 44.429,
139.253

■ 34, 15.476,
329.920

■ 26, 44.801,
139.167

■ 35, 20.148,
330.247

■ 36, 24.680,
330.538

Harmonies

Complementary

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



28, 19.908, 145.950



22, 19.936, 330.693

Rectangle

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



28, 19.908, 145.950



28, 19.908, 195.950



28, 19.908, 325.950



28, 19.908, 15.950

Sweetspot

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



28, 19.909, 145.950



39, 7.679, 147.910



30, 17.684, 112.757



19, 5.138, 147.879



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



28, 19.909, 145.950



36, 29.290, 145.095



28, 13.591, 168.031



14, 2.823, 148.155



36, 56.715, 138.383



79, 106.260, 137.323

Inverse Universe

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



22, 19.936, 330.693



28, 29.259, 331.205



22, 14.706, 355.320



13, 2.830, 329.016



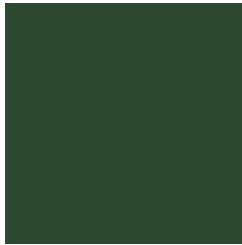
21, 52.153, 334.412



52, 94.530, 334.950

Previews

White Background



This preview shows how the CIE LCh color 28, 19.908, 145.950 looks on a white background.

Color Contrast Check

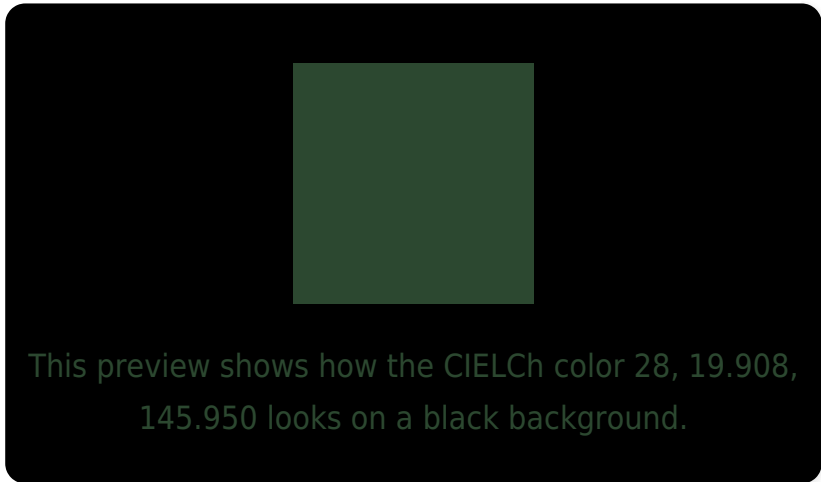
Large Text (above 18pt) WCAG AA ✓ Pass

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 28, 19.908, 145.950

Background



This preview shows how black text looks on a background with the CIELCh color 28, 19.908, 145.950.



This preview shows how white text looks on a background with the CIELCh color 28, 19.908, 145.950.

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](#).

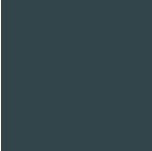
Dichromacy



Original Color
28, 19.908, 145.950

Protanopia
28, 13.059, 96.735

Deuteranopia
28, 10.940, 69.549



Tritanopia
28, 8.362, 226.252

Trichromacy



Original Color

28, 19.908, 145.950

Protanomaly

28, 13.844, 121.543

Deuteranomaly

27, 10.935, 110.510

Tritanomaly

28, 9.849, 178.555

Monochromacy



Original Color

28, 19.908, 145.950

Achromatopsia

26, 0.004, 296.813

Achromatomaly

26, 7.455, 146.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 19.908, 145.950 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(44, 72, 48)` looks like.

```
.text, #text, p{  
    color:rgb(44, 72, 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(44, 72, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 72, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 19.908, 145.950 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(44, 72, 48) }
```

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

```
.border{ border-color:rgb(44, 72, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 72, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 72, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 72, 48);  
box-shadow:4px 4px 4px 4px rgb(44, 72, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 19.908, 145.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 72, 48) }
```

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

```
.background{ background-color: rgb(44, 72,  
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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