

Converting Colors

CIELCh(28, 15.969, 197.021)

Have a look what the booklet for
CIELCh(28, 15.969, 197.021)
contains.

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Color

CIELCh(28, 15.923, 197.015)

Conversions

Conversions Part 1

Format	Color
Hex	1C4949
RGB	28, 73, 73
RGB Percent	11%, 29%, 29%
CMY	0.8912, 0.7146, 0.7146
CMYK	0.62, 0.00, 0.00, 0.71
HSL	180°, 45%, 20%
HSV	180°, 62%, 29%
XYZ	4.0354, 5.4574, 7.1057
YIQ	59.5450, -26.8200, -9.5400

Conversions

Conversions Part 2

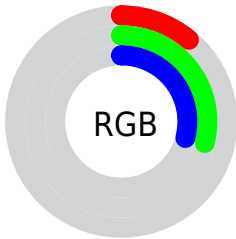
Format	Color
R _Y B	28, 51, 73
Decimal	1853769
CIE Lab	28.00, -15.23, -4.66
CIE LCh	28, 15.923, 197.015
Yxy	5.4574, 0.2431, 0.3288
Android (android.graphics.Color)	4280043849 (0xFF1C4949)
YUV	59.5450, 6.6333, -27.6650
Hunter-Lab	23.3610, -10.0477, -1.6814

Details

The CIELCh color **28, 15.923, 197.015** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 23.985, 26.320**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 15.913, 195.576**, and **9, 11.574, 193.182** is the 20% darker color. If you saturate the color by 10%, you get **28, 17.469, 196.789**, and if you desaturate by 10%, it is **28, 14.035, 197.290**.

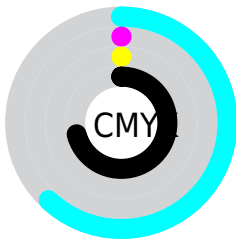
Distribution



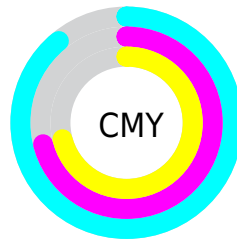
- Red (11%)
- Green (29%)
- Blue (29%)



- Red (11%)
- Yellow (20%)
- Blue (29%)



- Cyan (62%)
- Magenta (0%)
- Yellow (0%)
- Black (71%)





- Cyan (89%)
- Magenta (71%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 15.923, 197.015 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, 15.923, 197.015 by changing the saturation by 10% instead.

 28, 15.923,
197.015


 28, 15.923,
197.015

 100, 15.923,
197.015


 18, 15.923,
197.015


 48, 15.923,
197.015


 8, 15.923, 197.015

 58, 15.923,
197.015

 0, 15.923, 197.015

 68, 15.923,
197.015

 78, 15.923,
197.015

 88, 15.923,
197.015

 98, 15.923,

197.015

■ 28, 15.923,
197.015

■ 28, 15.923,
197.015

■ 28, 17.469,
196.789

■ 28, 14.035,
197.290

■ 28, 18.661,
196.619

■ 29, 11.831,
197.619

■ 27, 19.558,
196.491

■ 29, 9.344, 197.996

■ 27, 20.275,
196.390

■ 30, 6.614, 198.422

■ 30, 3.683, 198.905

■ 31, 0.590, 199.769

■ 31, 2.627, 19.721

■ 32, 5.934, 20.307

■ 33, 9.304, 20.867

Harmonies

Complementary

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



28, 15.923, 197.015



17, 23.985, 26.320

Rectangle

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



28, 15.923, 197.015



28, 15.923, 247.015



28, 15.923, 17.015



28, 15.923, 67.015

Sweetspot

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



28, 15.923, 197.013



39, 7.171, 198.519



27, 34.228, 139.760



19, 4.955, 198.449



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, 15.923, 197.013



36, 21.624, 196.698



20, 16.670, 266.484



14, 1.715, 199.089



38, 25.121, 196.390



82, 45.888, 196.390

Inverse Universe

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



19, 33.955, 327.263



23, 47.841, 327.734



23, 19.585, 68.468



13, 3.122, 324.835



22, 57.931, 328.234



54, 105.820, 328.234

Previews

White Background



This preview shows how the CIELCh color 28, 15.923, 197.015 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 CIE LCh color 28, 15.923, 197.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

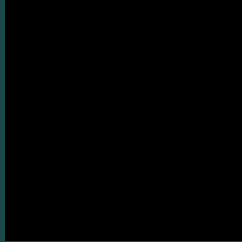
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 15.923, 197.015

Background



This preview shows how black text looks on a background with the CIELCh color 28, 15.923, 197.015.



This preview shows how white text looks on a background with the CIELCh color 28, 15.923, 197.015.

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, 15.923, 197.015

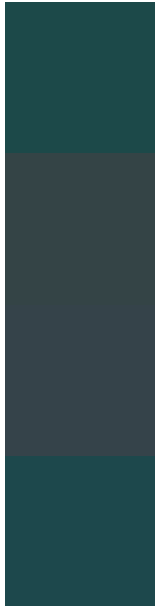
Protanopia
28, 1.298, 290.453

Deuteranopia
28, 7.368, 304.886



Tritanopia
28, 14.883, 212.628

Trichromacy



Original Color
28, 15.923, 197.015

Protanomaly
28, 6.705, 209.637

Deuteranomaly
27, 7.143, 238.459

Tritanomaly
28, 15.104, 207.205

Monochromacy



Original Color
28, 15.923, 197.015

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 6.743, 198.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 15.923, 197.015 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(28, 73, 73)` looks like.

```
.text, #text, p{  
    color:rgb(28, 73, 73)  
}
```

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(28, 73, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 73, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 15.923, 197.015 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(28, 73, 73) }
```

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

```
.border{ border-color:rgb(28, 73, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 73, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 73, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 73, 73);  
box-shadow:4px 4px 4px 4px rgb(28, 73, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 15.923, 197.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 73, 73) }
```

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

```
.background{ background-color: rgb(28, 73,  
73) }
```

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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