

Converting Colors

CIELCh(28, 19.514, 220.710)

Have a look what the booklet for
CIELCh(28, 19.514, 220.710)
contains.

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Color

CIELCh(28, 19.511, 220.742)

Conversions

Conversions Part 1

Format	Color
Hex	024955
RGB	2, 73, 85
RGB Percent	1%, 29%, 33%
CMY	0.9911, 0.7131, 0.6661
CMYK	0.97, 0.14, 0.00, 0.67
HSL	189°, 95%, 17%
HSV	189°, 97%, 33%
XYZ	4.0662, 5.4574, 9.4648
YIQ	53.1390, -46.1680, -11.3200

Conversions

Conversions Part 2

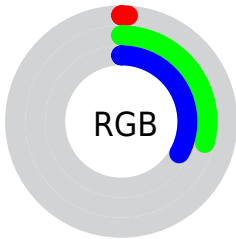
Format	Color
R _Y B	2, 40, 85
Decimal	149845
CIE Lab	28.00, -14.78, -12.73
CIE LCh	28, 19.511, 220.742
Yxy	5.4574, 0.2141, 0.2874
Android (android.graphics.Color)	4278339925 (0xFF024955)
YUV	53.1390, 15.7075, -44.8489
Hunter-Lab	23.3610, -9.8119, -7.6689

Details

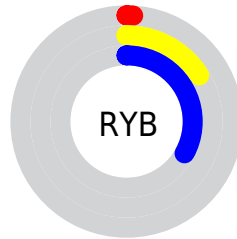
The CIELCh color **28, 19.511, 220.742** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 40.064, 38.208**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 19.676, 220.814**, and **10, 12.159, 235.381** is the 20% darker color. If you saturate the color by 10%, you get **28, 19.705, 221.185**, and if you desaturate by 10%, it is **29, 18.809, 218.981**.

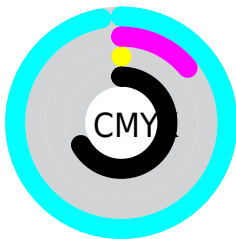
Distribution



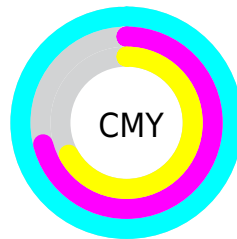
- Red (1%)
- Green (29%)
- Blue (33%)



- Red (1%)
- Yellow (16%)
- Blue (33%)



- Cyan (97%)
- Magenta (14%)
- Yellow (0%)
- Black (67%)





- Cyan (99%)
- Magenta (71%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 19.511, 220.742 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, 19.511, 220.742 by changing the saturation by 10% instead.

 28, 19.511,
220.742


 28, 19.511,
220.742

 100, 19.511,
220.742


 18, 19.511,
220.742


 48, 19.511,
220.742


 8, 19.511, 220.742

 58, 19.511,
220.742

 0, 19.511, 220.742

 68, 19.511,
220.742

 78, 19.511,
220.742

 88, 19.511,
220.742

 98, 19.511,

220.742

■ 28, 19.511,
220.742

■ 28, 19.511,
220.742

■ 28, 19.705,
221.185

■ 29, 18.809,
218.981

■ 29, 17.914,
217.379

■ 30, 16.641,
216.122

■ 31, 14.997,
215.161

■ 31, 13.003,
214.451

■ 32, 10.696,
213.948

■ 33, 8.114, 213.619

■ 34, 5.302, 213.438

■ 35, 2.301, 213.422

Harmonies

Complementary

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



28, 19.511, 220.742



17, 40.064, 38.208

Rectangle

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



28, 19.511, 220.742



28, 19.511, 270.742



28, 19.511, 40.742



28, 19.511, 90.742

Sweetspot

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



28, 19.510, 220.741



43, 10.514, 213.690



31, 49.949, 138.748



21, 7.205, 213.773



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



28, 19.510, 220.741



36, 23.476, 222.114



14, 37.152, 290.597



17, 1.775, 213.408



35, 23.090, 222.034



75, 40.945, 224.017

Inverse Universe

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



18, 46.217, 334.239



24, 55.702, 334.620



26, 35.615, 75.220



16, 3.335, 329.122



23, 54.797, 334.601



54, 96.717, 335.100

Previews

White Background



This preview shows how the CIE LCh color 28, 19.511, 220.742 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, 19.511, 220.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

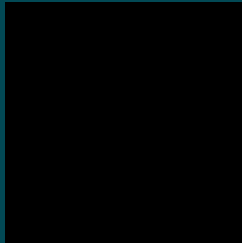
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 19.511, 220.742

Background



This preview shows how black text looks on a background with the CIELCh color 28, 19.511, 220.742.



This preview shows how white text looks on a background with the CIELCh color 28, 19.511, 220.742.

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, 19.511, 220.742

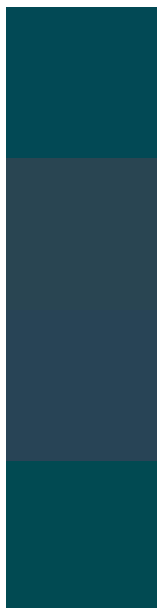
Protanopia
28, 9.112, 284.236

Deuteranopia
28, 14.265, 288.229



Tritanopia
28, 19.805, 208.097

Trichromacy



Original Color
28, 19.511, 220.742

Protanomaly
28, 12.842, 239.631

Deuteranomaly
27, 14.818, 251.069

Tritanomaly
28, 19.635, 212.229

Monochromacy



Original Color
28, 19.511, 220.742

Achromatopsia
22, 0.004, 296.813

Achromatomaly
24, 10.134, 217.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 19.511, 220.742 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(2, 73, 85)` looks like.

```
.text, #text, p{  
    color:rgb(2, 73, 85)  
}
```

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(2, 73, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 73, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 19.511, 220.742 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(2, 73, 85) }
```

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

```
.border{ border-color:rgb(2, 73, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 73, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 73, 85); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 73, 85); box-shadow:4px  
4px 4px 4px rgb(2, 73, 85) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 19.511, 220.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 73, 85) }
```

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

```
.background{ background-color: rgb(2, 73,  
85) }
```

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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