

Converting Colors

CIELCh(28, 16.976, 200.426)

Have a look what the booklet for
CIELCh(28, 16.976, 200.426)
contains.

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Color

CIELCh(28, 16.982, 201.327)

Conversions

Conversions Part 1

Format	Color
Hex	16494B
RGB	22, 73, 75
RGB Percent	9%, 29%, 29%
CMY	0.9133, 0.7134, 0.7055
CMYK	0.71, 0.03, 0.00, 0.71
HSL	182°, 55%, 19%
HSV	182°, 71%, 29%
XYZ	3.9944, 5.4574, 7.5148
YIQ	57.9790, -31.0380, -10.1900

Conversions

Conversions Part 2

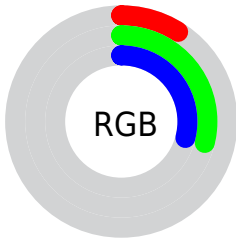
Format	Color
R_{YB}	22, 48, 75
Decimal	1460555
CIE _{Lab}	28.00, -15.82, -6.18
CIE _{LCh}	28, 16.982, 201.327
Yxy	5.4574, 0.2354, 0.3217
Android (android.graphics.Color)	4279650635 (0xFF16494B)
YUV	57.9790, 8.3914, -31.5536
Hunter-Lab	23.3610, -10.3611, -2.7198

Details

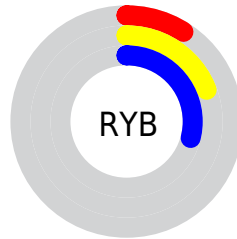
The CIELCh color **28, 16.982, 201.327** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 27.872, 30.377**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 16.881, 201.688**, and **9, 11.316, 200.721** is the 20% darker color. If you saturate the color by 10%, you get **28, 18.159, 201.467**, and if you desaturate by 10%, it is **28, 15.443, 201.288**.

Distribution



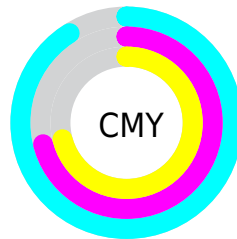
- Red (9%)
- Green (29%)
- Blue (29%)



- Red (9%)
- Yellow (19%)
- Blue (29%)



- Cyan (71%)
- Magenta (3%)
- Yellow (0%)
- Black (71%)





- Cyan (91%)
- Magenta (71%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 16.982, 201.327 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, 16.982, 201.327 by changing the saturation by 10% instead.

 28, 16.982,
201.327


 28, 16.982,
201.327

 100, 16.982,
201.327


 18, 16.982,
201.327


 48, 16.982,
201.327


 8, 16.982, 201.327

 58, 16.982,
201.327

 0, 16.982, 201.327

 68, 16.982,
201.327

 78, 16.982,
201.327

 88, 16.982,
201.327

 98, 16.982,

201.327

■ 28, 16.982,
201.327

■ 28, 16.982,
201.327

■ 28, 18.159,
201.467

■ 28, 15.443,
201.288

■ 27, 19.003,
201.707

■ 29, 13.559,
201.344

■ 27, 19.756,
201.926

■ 29, 11.360,
201.487

■ 30, 8.880, 201.705

■ 30, 6.162, 201.994

■ 31, 3.247, 202.362

■ 32, 0.174, 204.232

■ 33, 3.021, 22.966

■ 34, 6.306, 23.448

Harmonies

Complementary

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



28, 16.982, 201.327



17, 27.872, 30.377

Rectangle

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



28, 16.982, 201.327



28, 16.982, 251.327



28, 16.982, 21.327



28, 16.982, 71.327

Sweetspot

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



28, 16.982, 201.326



39, 7.750, 201.955



28, 38.396, 139.616



19, 5.156, 201.916



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, 16.982, 201.326



36, 22.410, 201.647



19, 20.349, 272.683



15, 1.751, 202.447



37, 24.353, 202.180



80, 43.927, 202.621

Inverse Universe

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



18, 37.684, 328.756



23, 51.605, 329.312



23, 23.395, 70.551



14, 3.229, 325.871



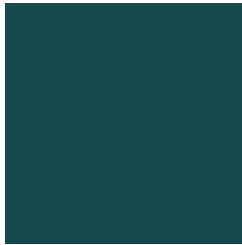
23, 57.346, 329.703



54, 103.566, 329.813

Previews

White Background



This preview shows how the CIELCh color 28, 16.982, 201.327 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, 16.982, 201.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

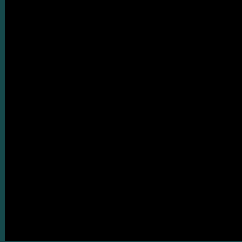
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

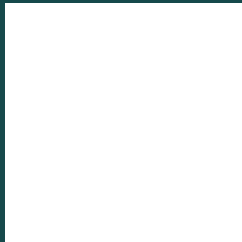
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 16.982, 201.327

Background



This preview shows how black text looks on a background with the CIELCh color 28, 16.982, 201.327.



This preview shows how white text looks on a background with the CIELCh color 28, 16.982, 201.327.

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, 16.982, 201.327

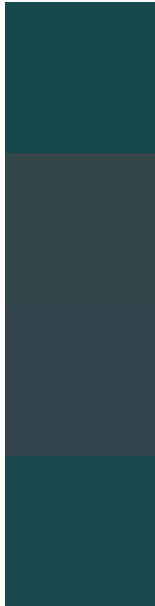
Protanopia
28, 2.591, 290.693

Deuteranopia
28, 8.557, 300.243



Tritanopia
28, 16.411, 208.579

Trichromacy



Original Color
28, 16.982, 201.327

Protanomaly
28, 7.873, 212.659

Deuteranomaly
27, 8.458, 242.690

Tritanomaly
28, 16.640, 206.064

Monochromacy



Original Color
28, 16.982, 201.327

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 7.484, 203.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 16.982, 201.327 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(22, 73, 75)` looks like.

```
.text, #text, p{  
  color:rgb(22, 73, 75)  
}
```

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(22, 73, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 73, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 16.982, 201.327 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(22, 73, 75) }
```

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

```
.border{ border-color:rgb(22, 73, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 73, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 73, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 73, 75);  
box-shadow:4px 4px 4px 4px rgb(22, 73, 75)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 16.982, 201.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 73, 75) }
```

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

```
.background{ background-color: rgb(22, 73,  
75) }
```

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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