

Converting Colors

CIELCh(28, 20.689, 196.386)

Have a look what the booklet for
CIELCh(28, 20.689, 196.386)
contains.

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Color

CIELCh(28, 20.503, 196.386)

Conversions

Conversions Part 1

Format	Color
Hex	014A4A
RGB	1, 74, 74
RGB Percent	0%, 29%, 29%
CMY	0.9974, 0.7082, 0.7082
CMYK	0.99, 0.00, 0.00, 0.71
HSL	180°, 98%, 15%
HSV	180°, 99%, 29%
XYZ	3.7347, 5.4574, 7.4076
YIQ	52.1730, -43.5080, -15.4760

Conversions

Conversions Part 2

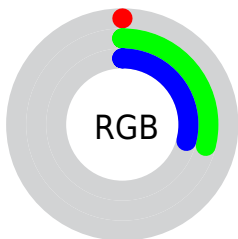
Format	Color
R_{YB}	1, 38, 74
Decimal	84554
CIE _{Lab}	28.00, -19.67, -5.78
CIE _{LCh}	28, 20.503, 196.386
Yxy	5.4574, 0.2250, 0.3288
Android (android.graphics.Color)	4278274634 (0xFF014A4A)
YUV	52.1730, 10.7607, -44.8787
Hunter-Lab	23.3610, -12.3450, -2.4476

Details

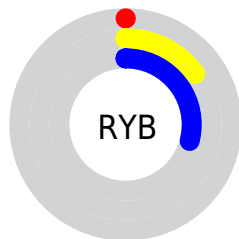
The CIELCh color **28, 20.503, 196.386** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 37.976, 30.696**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 20.329, 197.276**, and **10, 11.978, 193.041** is the 20% darker color. If you saturate the color by 10%, you get **28, 20.582, 196.374**, and if you desaturate by 10%, it is **28, 19.632, 196.507**.

Distribution



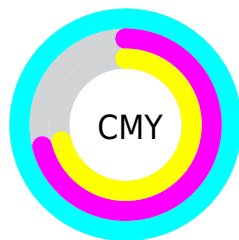
- Red (0%)
- Green (29%)
- Blue (29%)



- Red (0%)
- Yellow (15%)
- Blue (29%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (71%)





- Cyan (100%)
- Magenta (71%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 20.503, 196.386 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, 20.503, 196.386 by changing the saturation by 10% instead.

 28, 20.503,
196.386

 28, 20.503,
196.386

 100, 20.503,
196.386

 18, 20.503,
196.386


 48, 20.503,
196.386


 8, 20.503, 196.386

 58, 20.503,
196.386

 0, 20.503, 196.386

 68, 20.503,
196.386

 78, 20.503,
196.386

 88, 20.503,
196.386

 98, 20.503,

196.386

■ 28, 20.503,
196.386

■ 28, 20.503,
196.386

■ 28, 20.582,
196.374

■ 28, 19.632,
196.507

■ 28, 18.677,
196.642

■ 28, 17.372,
196.828

■ 29, 15.707,
197.066

■ 29, 13.698,
197.358

■ 29, 11.374,
197.702

■ 30, 8.771, 198.094

■ 30, 5.931, 198.535

■ 31, 2.897, 199.045

Harmonies

Complementary

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



28, 20.503, 196.386



13, 37.976, 30.696

Rectangle

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



28, 20.503, 196.386



28, 20.503, 246.386



28, 20.503, 16.386



28, 20.503, 66.386

Sweetspot

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



28, 20.503, 196.385



39, 11.176, 198.010



27, 48.691, 135.986



19, 7.469, 197.928



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, 20.503, 196.385



37, 24.671, 196.373



15, 25.885, 276.959



15, 1.819, 199.069



39, 25.574, 196.373



83, 46.281, 196.372

Inverse Universe

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



13, 37.976, 30.696



18, 48.293, 35.257



19, 31.557, 60.906



14, 1.910, 19.792



19, 50.501, 35.957



48, 96.564, 39.997

Previews

White Background



This preview shows how the CIELCh color 28, 20.503, 196.386 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, 20.503, 196.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

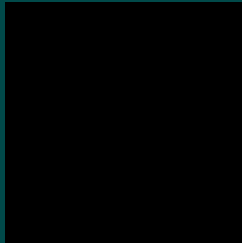
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 20.503, 196.386

Background



This preview shows how black text looks on a background with the CIELCh color 28, 20.503, 196.386.



This preview shows how white text looks on a background with the CIELCh color 28, 20.503, 196.386.

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, 20.384, 196.403

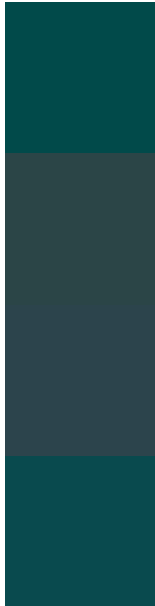
Protanopia
28, 1.999, 303.242

Deuteranopia
28, 7.898, 300.851



Tritanopia
28, 18.374, 209.187

Trichromacy



Original Color
28, 20.384, 196.403

Protanomaly
27, 10.266, 205.177

Deuteranomaly
27, 10.354, 228.568

Tritanomaly
28, 18.946, 204.647

Monochromacy



Original Color
28, 20.384, 196.403

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 10.752, 197.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 20.503, 196.386 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(1, 74, 74)` looks like.

```
.text, #text, p{  
    color:rgb(1, 74, 74)  
}
```

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(1, 74, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 74, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 20.503, 196.386 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(1, 74, 74) }
```

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

```
.border{ border-color:rgb(1, 74, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 74, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 74, 74); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 74, 74); box-shadow:4px  
4px 4px 4px rgb(1, 74, 74) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 20.503, 196.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 74, 74) }
```

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

```
.background{ background-color: rgb(1, 74,  
74) }
```

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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