

Converting Colors

CIELCh(28, 13.983, 187.961)

Have a look what the booklet for
CIELCh(28, 13.983, 187.961)
contains.

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Color

CIELCh(28, 14.001, 189.198)

Conversions

Conversions Part 1

Format	Color
Hex	244845
RGB	36, 72, 69
RGB Percent	14%, 28%, 27%
CMY	0.8584, 0.7172, 0.7290
CMYK	0.50, 0.00, 0.04, 0.72
HSL	175°, 33%, 21%
HSV	175°, 50%, 28%
XYZ	4.1337, 5.4574, 6.4837
YIQ	60.8940, -20.4930, -8.5650

Conversions

Conversions Part 2

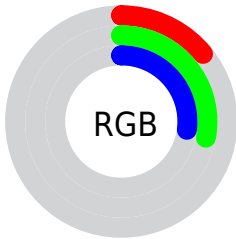
Format	Color
R_{YB}	36, 55, 72
Decimal	2377797
CIE _{Lab}	28.00, -13.82, -2.24
CIE _{LCh}	28, 14.001, 189.198
Yxy	5.4574, 0.2572, 0.3395
Android (android.graphics.Color)	4280567877 (0xFF244845)
YUV	60.8940, 3.9963, -21.8320
Hunter-Lab	23.3610, -9.2965, -0.1029




Details

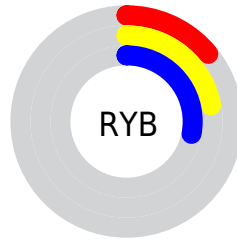
The CIELCh color **28, 14.001, 189.198** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **19, 18.297, 17.914**, and the grayscale version is **26, 0.004, 296.813**.




A 20% lighter version of the original color is **48, 14.090, 188.192**, and **9, 11.479, 185.980** is the 20% darker color. If you saturate the color by 10%, you get **28, 16.104, 188.503**, and if you desaturate by 10%, it is **28, 11.610, 189.876**.

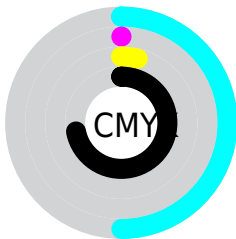
Distribution







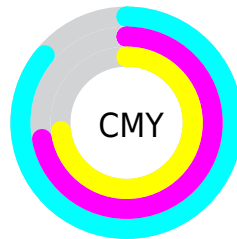
-  Red (14%)
-  Green (28%)
-  Blue (27%)






-  Red (14%)
-  Yellow (22%)
-  Blue (28%)



-  Cyan (50%)
-  Magenta (0%)
-  Yellow (4%)
-  Black (72%)



-  Cyan (86%)
-  Magenta (72%)
-  Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 14.001, 189.198 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, 14.001, 189.198 by changing the saturation by 10% instead.

 28, 14.001,
189.198

 28, 14.001,
189.198

 100, 14.001,
189.198

 18, 14.001,
189.198


 48, 14.001,
189.198


 8, 14.001, 189.198

 58, 14.001,
189.198

 0, 14.001, 189.198

 68, 14.001,
189.198

 78, 14.001,
189.198

 88, 14.001,
189.198

 98, 14.001,

189.198

■ 28, 14.001,
189.198

■ 28, 14.001,
189.198

■ 28, 16.104,
188.503

■ 28, 11.610,
189.876

■ 27, 17.887,
187.790

■ 29, 8.970, 190.551

■ 27, 19.329,
187.047

■ 29, 6.123, 191.229

■ 30, 3.111, 191.931

■ 27, 20.451,
186.270

■ 31, 0.026, 2.613

■ 27, 21.535,
185.542

■ 31, 3.253, 13.083

■ 32, 6.540, 13.776

■ 27, 21.544,
185.537

■ 33, 9.861, 14.439

Harmonies

Complementary

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



28, 14.001, 189.198



19, 18.297, 17.914

Rectangle

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



28, 14.001, 189.198



28, 14.001, 239.198



28, 14.001, 9.198



28, 14.001, 59.198

Sweetspot

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



28, 14.001, 189.196



39, 5.815, 191.526



27, 27.153, 138.744



19, 3.992, 191.451



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, 14.001, 189.196



36, 19.919, 188.329



23, 12.168, 251.120



14, 1.737, 192.033



37, 26.958, 185.065



82, 49.553, 184.285

Inverse Universe

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



19, 18.297, 17.914



23, 28.079, 20.411



23, 15.064, 59.527



13, 1.809, 13.021



19, 47.743, 32.263



47, 92.292, 37.194

Previews

White Background



This preview shows how the CIE LCh color 28, 14.001, 189.198 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, 14.001, 189.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

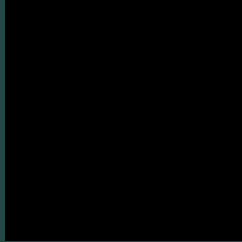
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 14.001, 189.198

Background



This preview shows how black text looks on a background with the CIELCh color 28, 14.001, 189.198.



This preview shows how white text looks on a background with the CIELCh color 28, 14.001, 189.198.

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, 14.001, 189.198

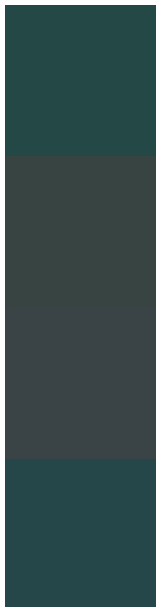
Protanopia
28, 0.779, 74.886

Deuteranopia
28, 5.270, 320.878



Tritanopia
28, 12.299, 216.308

Trichromacy



Original Color
28, 14.001, 189.198

Protanomaly
28, 5.355, 184.514

Deuteranomaly
28, 4.235, 226.349

Tritanomaly
28, 12.457, 206.629

Monochromacy



Original Color
28, 14.001, 189.198

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 5.630, 191.802

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 14.001, 189.198 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(36, 72, 69)` looks like.

```
.text, #text, p{  
    color:rgb(36, 72, 69)  
}
```

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(36, 72, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 72, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 14.001, 189.198 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(36, 72, 69) }
```

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

```
.border{ border-color:rgb(36, 72, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 72, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 72, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 72, 69);  
box-shadow:4px 4px 4px 4px rgb(36, 72, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 14.001, 189.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 72, 69) }
```

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

```
.background{ background-color: rgb(36, 72,  
69) }
```

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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