

Converting Colors

CIELCh(28, 10.604, 188.577)

Have a look what the booklet for
CIELCh(28, 10.604, 188.577)
contains.

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Color

CIELCh(28, 10.780, 187.273)

Conversions

Conversions Part 1

Format	Color
Hex	2D4744
RGB	45, 71, 68
RGB Percent	18%, 28%, 27%
CMY	0.8241, 0.7222, 0.7339
CMYK	0.37, 0.00, 0.04, 0.72
HSL	173°, 22%, 23%
HSV	173°, 37%, 28%
XYZ	4.3582, 5.4574, 6.2686
YIQ	62.8840, -14.5330, -6.4450

Conversions

Conversions Part 2

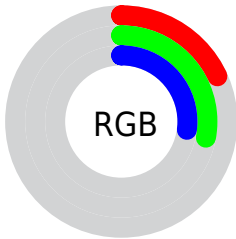
Format	Color
R_{YB}	45, 59, 71
Decimal	2967364
CIE Lab	28.00, -10.69, -1.36
CIE LCh	28, 10.780, 187.273
Yxy	5.4574, 0.2710, 0.3393
Android (android.graphics.Color)	4281157444 (0xFF2D4744)
YUV	62.8840, 2.5222, -15.6843
Hunter-Lab	23.3610, -7.5809, 0.4430

Details

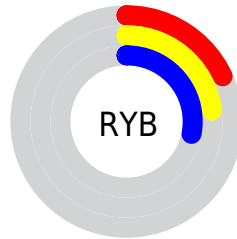
The CIELCh color **28, 10.780, 187.273** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **22, 12.836, 13.440**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 10.548, 188.560**, and **8, 10.925, 185.911** is the 20% darker color. If you saturate the color by 10%, you get **28, 13.288, 186.498**, and if you desaturate by 10%, it is **28, 8.051, 188.023**.

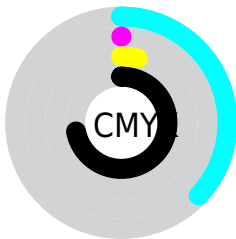
Distribution



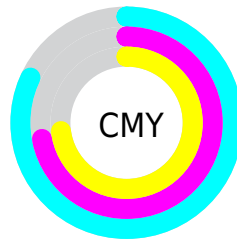
- Red (18%)
- Green (28%)
- Blue (27%)



- Red (18%)
- Yellow (23%)
- Blue (28%)



- Cyan (37%)
- Magenta (0%)
- Yellow (4%)
- Black (72%)





- Cyan (82%)
- Magenta (72%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 10.780, 187.273 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, 10.780, 187.273 by changing the saturation by 10% instead.

 28, 10.780,
187.273


 28, 10.780,
187.273

 100, 10.780,
187.273


 18, 10.780,
187.273


 48, 10.780,
187.273


 8, 10.780, 187.273

 58, 10.780,
187.273

 0, 10.780, 187.273

 68, 10.780,
187.273

 78, 10.780,
187.273

 88, 10.780,
187.273

 98, 10.780,

187.273

■ 28, 10.780,
187.273

■ 28, 10.780,
187.273

■ 28, 13.288,
186.498

■ 28, 8.051, 188.023

■ 29, 5.143, 188.768

■ 27, 15.534,
185.699

■ 30, 2.096, 189.553

■ 27, 17.483,
184.860

■ 30, 1.052, 9.892

■ 27, 19.108,
183.971

■ 31, 4.269, 10.765

■ 32, 7.526, 11.472

■ 26, 20.397,
183.018

■ 33, 10.801, 12.152

■ 26, 21.567,
182.095

■ 34, 14.075, 12.817

■ 26, 21.963,
181.812

■ 34, 17.334, 13.467

Harmonies

Complementary

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



28, 10.780, 187.273



22, 12.836, 13.440

Rectangle

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



28, 10.780, 187.273



28, 10.780, 237.273



28, 10.780, 7.273



28, 10.780, 57.273

Sweetspot

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



28, 10.780, 187.270



38, 4.241, 189.167



28, 19.738, 139.283



18, 2.806, 189.128



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



28, 10.780, 187.270



36, 15.577, 186.574



25, 8.944, 246.349



14, 1.752, 189.391



37, 27.871, 181.160



81, 51.390, 180.151

Inverse Universe

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



22, 12.836, 13.440



27, 19.466, 14.766



24, 10.483, 58.790



13, 1.819, 10.461



19, 47.142, 30.890



47, 90.609, 35.658

Previews

White Background



This preview shows how the CIE LCh color 28, 10.780, 187.273 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, 10.780, 187.273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

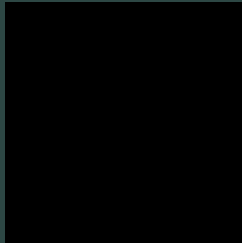
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 10.780, 187.273

Background



This preview shows how black text looks on a background with the CIELCh color 28, 10.780, 187.273.



This preview shows how white text looks on a background with the CIELCh color 28, 10.780, 187.273.

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, 10.780, 187.273

Protanopia
28, 0.779, 74.886

Deuteranopia
28, 4.505, 334.269



Tritanopia
28, 9.457, 218.283

Trichromacy



Original Color
28, 10.780, 187.273

Protanomaly
28, 4.148, 180.565

Deuteranomaly
28, 2.871, 241.997

Tritanomaly
28, 9.580, 205.799

Monochromacy



Original Color
28, 10.780, 187.273

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 4.393, 190.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 10.780, 187.273 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(45, 71, 68)` looks like.

```
.text, #text, p{  
    color:rgb(45, 71, 68)  
}
```

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(45, 71, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 71, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 10.780, 187.273 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(45, 71, 68) }
```

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

```
.border{ border-color:rgb(45, 71, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 71, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 71, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 71, 68);  
box-shadow:4px 4px 4px 4px rgb(45, 71, 68)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 10.780, 187.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 71, 68) }
```

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

```
.background{ background-color: rgb(45, 71,  
68) }
```

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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