

Converting Colors

CIELCh(28, 31.306, 274.659)

Have a look what the booklet for
CIELCh(28, 31.306, 274.659)
contains.

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Color

CIELCh(28, 30.987, 274.180)

Conversions

Conversions Part 1

Format	Color
Hex	154472
RGB	21, 68, 114
RGB Percent	8%, 27%, 45%
CMY	0.9162, 0.7348, 0.5546
CMYK	0.81, 0.40, 0.00, 0.55
HSL	210°, 68%, 26%
HSV	210°, 81%, 45%
XYZ	5.3746, 5.4574, 16.5644
YIQ	59.1910, -42.7780, 4.3420

Conversions

Conversions Part 2

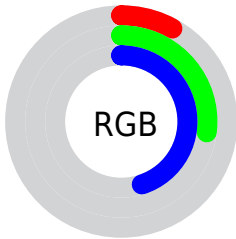
Format	Color
R_{YB}	21, 52, 114
Decimal	1393778
CIE Lab	28.00, 2.26, -30.90
CIE LCh	28, 30.987, 274.180
Yxy	5.4574, 0.1962, 0.1992
Android (android.graphics.Color)	4279583858 (0xFF154472)
YUV	59.1910, 27.0208, -33.4935
Hunter-Lab	23.3610, 0.1852, -25.6876

Details

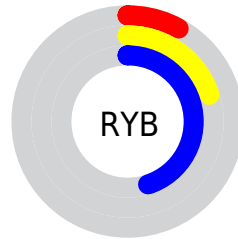
The CIELCh color **28, 30.987, 274.180** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **33, 38.177, 65.233**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 30.777, 273.461**, and **10, 28.818, 286.963** is the 20% darker color. If you saturate the color by 10%, you get **26, 34.643, 278.281**, and if you desaturate by 10%, it is **30, 27.360, 270.457**.

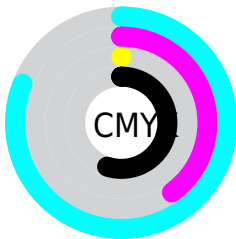
Distribution



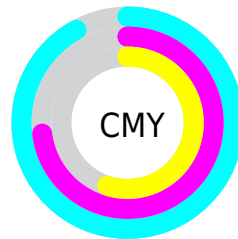
- Red (8%)
- Green (27%)
- Blue (45%)



- Red (8%)
- Yellow (20%)
- Blue (45%)



- Cyan (81%)
- Magenta (40%)
- Yellow (0%)
- Black (55%)





- Cyan (92%)
- Magenta (73%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 30.987, 274.180 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, 30.987, 274.180 by changing the saturation by 10% instead.

 28, 30.987,
274.180


 28, 30.987,
274.180

 100, 30.987,
274.180


 18, 30.987,
274.180


 48, 30.987,
274.180


 8, 30.987, 274.180

 58, 30.987,
274.180

 0, 30.987, 274.180

 68, 30.987,
274.180

 78, 30.987,
274.180

 88, 30.987,
274.180

 98, 30.987,

274.180

■ 28, 30.987,
274.180

■ 28, 30.987,
274.180

■ 26, 34.643,
278.281

■ 30, 27.360,
270.457

■ 24, 37.984,
281.745

■ 33, 23.713,
267.175

■ 35, 20.010,
264.339

■ 37, 16.233,
261.920

■ 40, 12.383,
259.870

■ 42, 8.466, 258.139

■ 45, 4.494, 256.689

■ 48, 0.483, 255.882

■ 50, 3.552, 74.232

Harmonies

Complementary

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



28, 30.987, 274.180



33, 38.177, 65.233

Rectangle

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



28, 30.987, 274.180



28, 30.987, 324.180



28, 30.987, 94.180



28, 30.987, 144.180

Sweetspot

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



28, 30.987, 274.181



54, 11.881, 258.701



42, 42.353, 153.022



26, 8.096, 259.177



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



28, 30.987, 274.181



33, 45.698, 281.827



15, 61.229, 302.881



22, 2.239, 256.408



26, 39.692, 282.037



53, 71.630, 284.793

Inverse Universe

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



25, 43.069, 354.327



32, 56.091, 359.979



46, 47.584, 102.646



22, 3.231, 344.221



25, 48.675, 0.115



53, 82.724, 2.708

Previews

White Background



This preview shows how the CIE LCh color 28, 30.987, 274.180 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, 30.987, 274.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

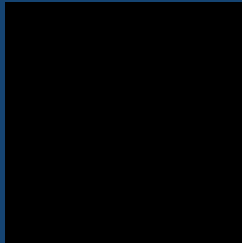
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 30.987, 274.180

Background



This preview shows how black text looks on a background with the CIELCh color 28, 30.987, 274.180.



This preview shows how white text looks on a background with the CIELCh color 28, 30.987, 274.180.

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, 31.026, 273.938

Protanopia
28, 29.913, 285.128

Deuteranopia
28, 31.265, 277.267



Tritanopia
28, 19.621, 208.236

Trichromacy



Original Color
28, 31.026, 273.938

Protanomaly
28, 30.276, 280.456

Deuteranomaly
28, 31.393, 276.385

Tritanomaly
28, 20.417, 239.958

Monochromacy



Original Color
28, 31.026, 273.938

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 12.592, 262.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 30.987, 274.180 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(21, 68, 114)` looks like.

```
.text, #text, p{  
    color:rgb(21, 68, 114)  
}
```

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(21, 68, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 68, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 30.987, 274.180 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(21, 68, 114) }
```

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

```
.border{ border-color:rgb(21, 68, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 68, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 68, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 68, 114);  
box-shadow:4px 4px 4px 4px rgb(21, 68,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 30.987, 274.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 68, 114) }
```

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

```
.background{ background-color: rgb(21, 68,  
114) }
```

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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