

Converting Colors

CIELCh(28, 74.424, 300.246)

Have a look what the booklet for
CIELCh(28, 74.424, 300.246)
contains.

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Color

CIELCh(28, 74.450, 300.155)

Conversions

Conversions Part 1

Format	Color
Hex	2432A8
RGB	36, 50, 168
RGB Percent	14%, 20%, 66%
CMY	0.8600, 0.8045, 0.3419
CMYK	0.79, 0.70, 0.00, 0.34
HSL	234°, 65%, 40%
HSV	234°, 79%, 66%
XYZ	8.9006, 5.4574, 37.5366
YIQ	59.2660, -46.2220, 33.7300

Conversions

Conversions Part 2

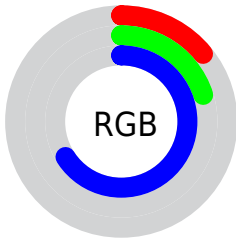
Format	Color
R_{YB}	36, 49, 168
Decimal	2372264
CIE _{Lab}	28.00, 37.40, -64.37
CIE _{LCh}	28, 74.450, 300.155
Yxy	5.4574, 0.1715, 0.1052
Android (android.graphics.Color)	4280562344 (0xFF2432A8)
YUV	59.2660, 53.6059, -20.4043
Hunter-Lab	23.3610, 27.1269, -78.9148

Details

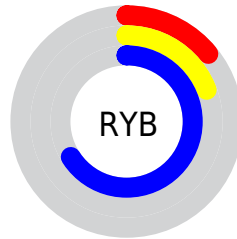
The CIELCh color **28, 74.450, 300.155** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **63, 59.357, 97.324**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 74.187, 300.136**, and **12, 70.114, 304.654** is the 20% darker color. If you saturate the color by 10%, you get **24, 83.946, 302.581**, and if you desaturate by 10%, it is **33, 64.212, 297.587**.

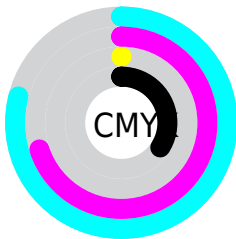
Distribution



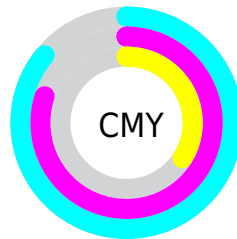
- Red (14%)
- Green (20%)
- Blue (66%)



- Red (14%)
- Yellow (19%)
- Blue (66%)



- Cyan (79%)
- Magenta (70%)
- Yellow (0%)
- Black (34%)



- Cyan (86%)
- Magenta (80%)
- Yellow (34%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 74.450, 300.155 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, 74.450, 300.155 by changing the saturation by 10% instead.

 28, 74.450,
300.155


 28, 74.450,
300.155

 100, 74.450,
300.155

 18, 74.450,
300.155


 48, 74.450,
300.155


 8, 74.450, 300.155

 58, 74.450,
300.155

 0, 74.450, 300.155

 68, 74.450,
300.155

 78, 74.450,
300.155

 88, 74.450,
300.155

 98, 74.450,

300.155

■ 28, 74.450,
300.155

■ 28, 74.450,
300.155

■ 24, 83.946,
302.581

■ 33, 64.212,
297.587

■ 21, 91.616,
304.520

■ 37, 53.921,
295.107

■ 21, 92.415,
304.702

■ 43, 43.889,
292.847

■ 48, 34.215,
290.858

■ 53, 24.908,
289.140

■ 59, 15.948,
287.670

■ 64, 7.308, 286.419

■ 69, 1.036, 105.237

■ 75, 9.107, 104.396

Harmonies

Complementary

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



28, 74.450, 300.155



63, 59.357, 97.324

Rectangle

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



28, 74.450, 300.155



28, 74.450, 350.155



28, 74.450, 120.155



28, 74.450, 170.155

Sweetspot

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



28, 74.451, 300.156



72, 25.668, 288.482



62, 37.634, 182.844



35, 17.717, 289.003



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



28, 74.451, 300.156



30, 109.332, 304.032



30, 80.159, 309.716



33, 4.753, 286.484



18, 83.679, 304.516



1, 8.691, 286.181

Inverse Universe

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



37, 58.972, 25.929



46, 84.891, 33.484



63, 68.196, 122.026



33, 3.755, 11.269



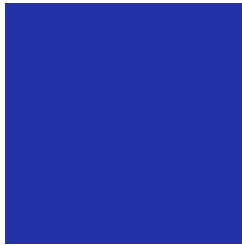
30, 65.153, 34.621



1, 6.643, 11.783

Previews

White Background



This preview shows how the CIE LCh color 28, 74.450, 300.155 looks on a white background.

Color Contrast Check

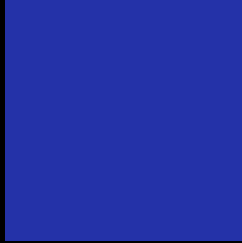
Large Text (above 18pt) WCAG AA ✓ Pass

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, 74.450, 300.155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

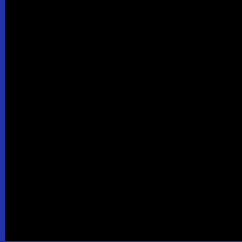
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 74.450, 300.155

Background



This preview shows how black text looks on a background with the CIELCh color 28, 74.450, 300.155.



This preview shows how white text looks on a background with the CIELCh color 28, 74.450, 300.155.

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, 74.450, 300.155

Protanopia

28, 45.575, 284.922

Deuteranopia

28, 32.204, 271.215



Tritanopia
28, 19.684, 206.210

Trichromacy



Original Color
28, 74.450, 300.155

Protanomaly
28, 56.003, 292.114

Deuteranomaly
27, 47.430, 287.981

Tritanomaly
27, 31.299, 273.738

Monochromacy



Original Color
28, 74.450, 300.155

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 28.283, 292.411

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 74.450, 300.155 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, 50, 168)` looks like.

```
.text, #text, p{  
    color:rgb(36, 50, 168)  
}
```

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, 50, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 50, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 74.450, 300.155 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, 50, 168) }
```

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

```
.border{ border-color:rgb(36, 50, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 50, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 50, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 50, 168);  
box-shadow:4px 4px 4px 4px rgb(36, 50,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 74.450, 300.155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 50, 168) }
```

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

```
.background{ background-color: rgb(36, 50,  
168) }
```

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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