

Converting Colors

CIELCh(28, 91.438, 303.554)

Have a look what the booklet for
CIELCh(28, 91.438, 303.554)
contains.

CIELCh(28, 91.531, 303.567)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(28, 91.531, 303.567)

Conversions

Conversions Part 1

Format	Color
Hex	2627BC
RGB	38, 39, 188
RGB Percent	15%, 15%, 74%
CMY	0.8529, 0.8480, 0.2638
CMYK	0.80, 0.79, 0.00, 0.26
HSL	239°, 67%, 44%
HSV	239°, 80%, 74%
XYZ	10.5461, 5.4574, 47.9191
YIQ	55.6870, -48.4250, 46.1270

Conversions

Conversions Part 2

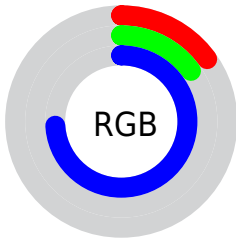
Format	Color
R_{YB}	38, 39, 188
Decimal	2500540
CIE Lab	28.00, 50.61, -76.27
CIE LCh	28, 91.531, 303.567
Yxy	5.4574, 0.1650, 0.0854
Android (android.graphics.Color)	4280690620 (0xFF2627BC)
YUV	55.6870, 65.2303, -15.5115
Hunter-Lab	23.3610, 39.7004, -105.2655

Details

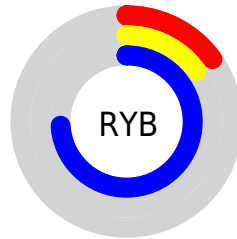
The CIELCh color **28, 91.531, 303.567** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **74, 70.312, 102.965**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 91.927, 303.607**, and **14, 82.525, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **25, 100.469, 305.210**, and if you desaturate by 10%, it is **33, 80.141, 301.468**.

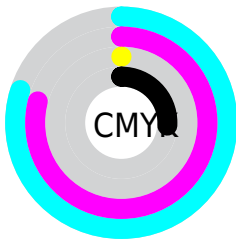
Distribution



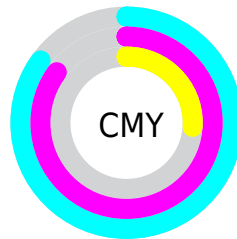
- Red (15%)
- Green (15%)
- Blue (74%)



- Red (15%)
- Yellow (15%)
- Blue (74%)



- Cyan (80%)
- Magenta (79%)
- Yellow (0%)
- Black (26%)





- Cyan (85%)
- Magenta (85%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 91.531, 303.567 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, 91.531, 303.567 by changing the saturation by 10% instead.

 28, 91.531,
303.567


 28, 91.531,
303.567

 100, 91.531,
303.567


 18, 91.531,
303.567


 48, 91.531,
303.567


 8, 91.531, 303.567

 58, 91.531,
303.567

 0, 91.531, 303.567

 68, 91.531,
303.567

 78, 91.531,
303.567

 88, 91.531,
303.567

 98, 91.531,

303.567

■ 28, 91.531,
303.567

■ 28, 91.531,
303.567

■ 25, 100.469,
305.210

■ 33, 80.141,
301.468

■ 22, 105.913,
306.188

■ 38, 67.825,
299.238

■ 44, 55.472,
297.108

■ 51, 43.465,
295.192

■ 57, 31.920,
293.523

■ 63, 20.850,
292.095

■ 70, 10.232,
290.883

■ 76, 0.031, 291.932

■ 82, 9.784, 108.963

Harmonies

Complementary

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



28, 91.531, 303.567



74, 70.312, 102.965

Rectangle

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



28, 91.531, 303.567



28, 91.531, 353.567



28, 91.531, 123.567



28, 91.531, 173.567

Sweetspot

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



28, 91.532, 303.568



78, 31.288, 292.691



69, 38.234, 194.400



38, 21.647, 293.210



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



28, 91.532, 303.568



32, 127.658, 305.964



35, 87.894, 312.146



36, 5.803, 290.810



18, 93.198, 306.165



1, 17.332, 290.408

Inverse Universe

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



41, 69.303, 33.247



51, 99.057, 38.943



69, 77.494, 125.894



37, 4.095, 19.237



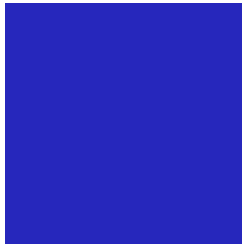
32, 72.475, 39.329



3, 12.253, 18.920

Previews

White Background



This preview shows how the CIELCh color 28, 91.531, 303.567 looks on a white background.

Color Contrast Check

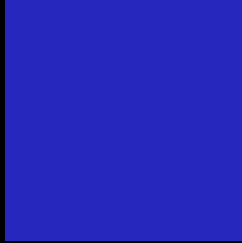
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.531, 303.567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

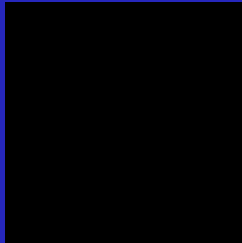
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 91.531, 303.567

Background



This preview shows how black text looks on a background with the CIELCh color 28, 91.531, 303.567.



This preview shows how white text looks on a background with the CIELCh color 28, 91.531, 303.567.

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, 91.531, 303.567

Protanopia
28, 45.575, 284.922

Deuteranopia
28, 31.665, 270.450



Tritanopia
28, 19.769, 204.200

Trichromacy



Original Color
28, 91.531, 303.567

Protanomaly
27, 63.483, 295.347

Deuteranomaly
27, 54.383, 292.110

Tritanomaly
26, 37.187, 281.583

Monochromacy



Original Color
28, 91.531, 303.567

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 35.868, 297.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 91.531, 303.567 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(38, 39, 188)` looks like.

```
.text, #text, p{  
    color:rgb(38, 39, 188)  
}
```

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(38, 39, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 39, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 91.531, 303.567 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(38, 39, 188) }
```

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

```
.border{ border-color:rgb(38, 39, 188) }
```

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

Here you see how a box with a 4 pixel rgb(38, 39, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 39, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 39, 188);  
box-shadow:4px 4px 4px 4px rgb(38, 39,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 91.531, 303.567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 39, 188) }
```

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

```
.background{ background-color: rgb(38, 39,  
188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor