

Converting Colors

CIELCh(28, 34.915, 282.207)

Have a look what the booklet for
CIELCh(28, 34.915, 282.207)
contains.

CIELCh(28, 35.343, 282.767)	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, 35.343, 282.767)

Conversions

Conversions Part 1

Format	Color
Hex	204177
RGB	32, 65, 119
RGB Percent	13%, 25%, 47%
CMY	0.8732, 0.7442, 0.5323
CMYK	0.73, 0.45, 0.00, 0.53
HSL	217°, 57%, 30%
HSV	217°, 73%, 47%
XYZ	5.8547, 5.4574, 18.2796
YIQ	61.2890, -37.0020, 9.7980

Conversions

Conversions Part 2

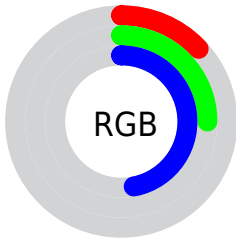
Format	Color
R_{YB}	32, 56, 119
Decimal	2113911
CIE _{Lab}	28.00, 7.81, -34.47
CIE _{LCh}	28, 35.343, 282.767
Yxy	5.4574, 0.1978, 0.1844
Android (android.graphics.Color)	4280303991 (0xFF204177)
YUV	61.2890, 28.4515, -25.6865
Hunter-Lab	23.3610, 3.8533, -30.0406




Details

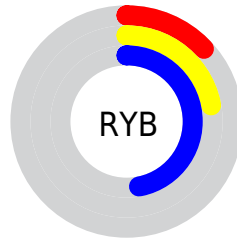
The CIELCh color **28, 35.343, 282.767** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **39, 36.426, 77.648**, and the grayscale version is **26, 0.004, 296.813**.




A 20% lighter version of the original color is **48, 35.744, 283.175**, and **9, 34.559, 292.544** is the 20% darker color. If you saturate the color by 10%, you get **25, 40.517, 286.230**, and if you desaturate by 10%, it is **31, 30.290, 279.626**.

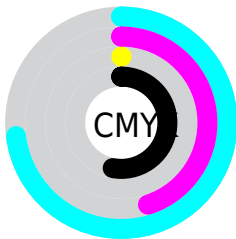
Distribution







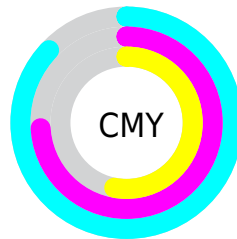
-  Red (13%)
-  Green (25%)
-  Blue (47%)






-  Red (13%)
-  Yellow (22%)
-  Blue (47%)



-  Cyan (73%)
-  Magenta (45%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (87%)
-  Magenta (74%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 35.343, 282.767 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, 35.343, 282.767 by changing the saturation by 10% instead.

■ 28, 35.343,
282.767

■ 28, 35.343,
282.767

■ 100, 35.343,
282.767

■ 18, 35.343,
282.767

■ 48, 35.343,
282.767

■ 8, 35.343, 282.767

■ 58, 35.343,
282.767

■ 0, 35.343, 282.767

■ 68, 35.343,
282.767

■ 78, 35.343,
282.767

■ 88, 35.343,
282.767

■ 98, 35.343,

282.767

■ 28, 35.343,
282.767

■ 28, 35.343,
282.767

■ 25, 40.517,
286.230

■ 31, 30.290,
279.626

■ 23, 45.820,
289.897

■ 34, 25.331,
276.848

■ 21, 49.679,
292.301

■ 37, 20.442,
274.434

■ 40, 15.606,
272.354

■ 43, 10.814,
270.571

■ 46, 6.064, 269.048

■ 49, 1.358, 267.831

■ 52, 3.301, 86.489

■ 55, 7.907, 85.524

Harmonies

Complementary

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



28, 35.343, 282.767



39, 36.426, 77.648

Rectangle

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



28, 35.343, 282.767



28, 35.343, 332.767



28, 35.343, 102.767



28, 35.343, 152.767

Sweetspot

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



28, 35.343, 282.768



56, 12.916, 270.516



45, 35.717, 161.905



28, 8.754, 270.870



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



28, 35.343, 282.768



32, 53.157, 288.529



20, 57.692, 303.605



23, 2.608, 268.525



22, 50.760, 292.415



46, 91.182, 294.619

Inverse Universe

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



28, 40.300, 1.618



34, 55.430, 7.103



48, 46.803, 109.838



23, 3.102, 351.486



25, 49.263, 11.668



53, 84.161, 14.872

Previews

White Background



This preview shows how the CIE LCh color 28, 35.343, 282.767 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, 35.343, 282.767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

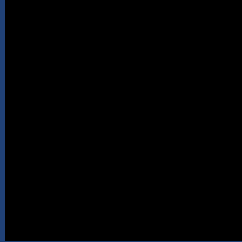
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 35.343, 282.767

Background



This preview shows how black text looks on a background with the CIELCh color 28, 35.343, 282.767.



This preview shows how white text looks on a background with the CIELCh color 28, 35.343, 282.767.

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, 35.343, 282.767

Protanopia

28, 35.114, 285.795

Deuteranopia

28, 34.777, 276.213



Tritanopia
28, 19.621, 208.236

Trichromacy



Original Color
28, 35.343, 282.767

Protanomaly
28, 35.212, 284.777

Deuteranomaly
28, 35.186, 278.380

Tritanomaly
27, 20.987, 246.395

Monochromacy



Original Color
28, 35.343, 282.767

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 13.648, 273.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 35.343, 282.767 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(32, 65, 119)` looks like.

```
.text, #text, p{  
    color:rgb(32, 65, 119)  
}
```

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(32, 65, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 65, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 35.343, 282.767 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(32, 65, 119) }
```

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

```
.border{ border-color:rgb(32, 65, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 65, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 65, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 65, 119);  
box-shadow:4px 4px 4px 4px rgb(32, 65,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 35.343, 282.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 65, 119) }
```

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

```
.background{ background-color: rgb(32, 65,  
119) }
```

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