

Converting Colors

CIELCh(36, 28.336, 255.127)

Have a look what the booklet for
CIELCh(36, 28.336, 255.127)
contains.

CIELCh(36, 28.345, 255.313)	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(36, 28.345, 255.313)

Conversions

Conversions Part 1

Format	Color
Hex	0E5A80
RGB	14, 90, 128
RGB Percent	5%, 35%, 50%
CMY	0.9466, 0.6461, 0.4970
CMYK	0.89, 0.30, 0.00, 0.50
HSL	200°, 81%, 28%
HSV	200°, 89%, 50%
XYZ	7.7645, 9.0082, 21.8399
YIQ	71.6080, -57.4940, -4.2940

Conversions

Conversions Part 2

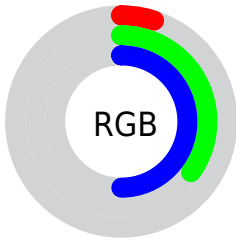
Format	Color
R_{YB}	14, 60, 128
Decimal	940672
CIE _{Lab}	36.00, -7.19, -27.42
CIE _{LCh}	36, 28.345, 255.313
Yxy	9.0082, 0.2011, 0.2333
Android (android.graphics.Color)	4279130752 (0xFF0E5A80)
YUV	71.6080, 27.8013, -50.5222
Hunter-Lab	30.0136, -6.3457, -22.1339

Details

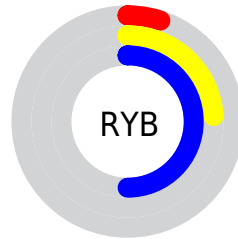
The CIELCh color **36, 28.345, 255.313** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **32, 49.013, 50.543**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 28.294, 255.193**, and **18, 24.854, 271.402** is the 20% darker color. If you saturate the color by 10%, you get **34, 30.360, 259.780**, and if you desaturate by 10%, it is **38, 26.254, 251.138**.

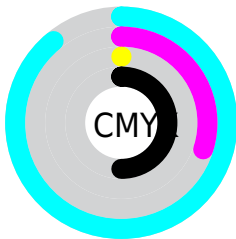
Distribution



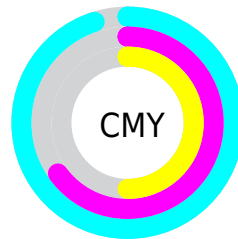
- Red (5%)
- Green (35%)
- Blue (50%)



- Red (5%)
- Yellow (24%)
- Blue (50%)



- Cyan (89%)
- Magenta (30%)
- Yellow (0%)
- Black (50%)





- Cyan (95%)
- Magenta (65%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 28.345, 255.313 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 36, 28.345, 255.313 by changing the saturation by 10% instead.


 36, 28.345,
255.313


 36, 28.345,
255.313

 100, 28.345,
255.313


 26, 28.345,
255.313

 56, 28.345,
255.313


 16, 28.345,
255.313


 66, 28.345,
255.313

 6, 28.345, 255.313

 76, 28.345,
255.313

 0, 28.345, 255.313

 86, 28.345,
255.313

 96, 28.345,
255.313

■ 36, 28.345,
255.313

■ 36, 28.345,
255.313

■ 34, 30.360,
259.780

■ 38, 26.254,
251.138

■ 34, 30.491,
260.042

■ 39, 23.918,
247.578

■ 41, 21.283,
244.616

■ 43, 18.333,
242.188

■ 45, 15.081,
240.219

■ 47, 11.556,
238.631

■ 49, 7.799, 237.358

■ 52, 3.849, 236.366

Harmonies

Complementary

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



36, 28.345, 255.313



32, 49.013, 50.543

Rectangle

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



36, 28.345, 255.313



36, 28.345, 305.313



36, 28.345, 75.313



36, 28.345, 125.313

Sweetspot

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



36, 28.344, 255.314



61, 13.154, 238.385



47, 57.721, 144.236



31, 8.871, 238.781



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



36, 28.344, 255.314



44, 37.240, 261.322



19, 62.332, 299.572



26, 2.303, 236.343



34, 30.351, 260.009



0, 0.000, 0.000

Inverse Universe

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



29, 53.282, 344.559



36, 65.686, 347.076



46, 49.288, 91.091



25, 4.042, 336.169



27, 54.488, 346.496



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 36, 28.345, 255.313 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 36, 28.345, 255.313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

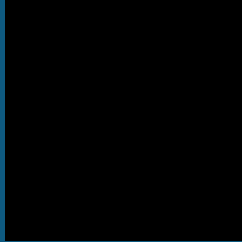
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 28.345, 255.313

Background



This preview shows how black text looks on a background with the CIELCh color 36, 28.345, 255.313.



This preview shows how white text looks on a background with the CIELCh color 36, 28.345, 255.313.

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

36, 28.302, 255.450

Protanopia

36, 24.363, 285.251

Deuteranopia

36, 29.002, 281.098



Tritanopia
36, 23.350, 207.503

Trichromacy



Original Color
36, 28.302, 255.450

Protanomaly
36, 25.308, 269.058

Deuteranomaly
36, 28.524, 269.779

Tritanomaly
36, 23.267, 226.196

Monochromacy



Original Color
36, 28.302, 255.450

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 12.779, 238.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 28.345, 255.313 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(14, 90, 128)` looks like.

```
.text, #text, p{  
    color:rgb(14, 90, 128)  
}
```

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(14, 90, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 90, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 28.345, 255.313 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(14, 90, 128) }
```

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

```
.border{ border-color:rgb(14, 90, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 90, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 90, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 90, 128);  
box-shadow:4px 4px 4px 4px rgb(14, 90,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 28.345, 255.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 90, 128) }
```

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

```
.background{ background-color: rgb(14, 90,  
128) }
```

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