

Converting Colors

CIELCh(36, 29.497, 255.240)

Have a look what the booklet for
CIELCh(36, 29.497, 255.240)
contains.

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Color

CIELCh(36, 29.649, 255.894)

Conversions

Conversions Part 1

Format	Color
Hex	015A82
RGB	1, 90, 130
RGB Percent	0%, 35%, 51%
CMY	0.9956, 0.6455, 0.4886
CMYK	0.99, 0.31, 0.00, 0.49
HSL	199°, 98%, 26%
HSV	199°, 99%, 51%
XYZ	7.7603, 9.0082, 22.5963
YIQ	67.9490, -65.8840, -6.4280

Conversions

Conversions Part 2

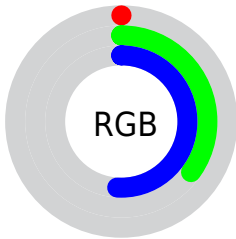
Format	Color
R_{YB}	1, 54, 130
Decimal	88706
CIE _{Lab}	36.00, -7.23, -28.75
CIE _{LCh}	36, 29.649, 255.894
Yxy	9.0082, 0.1971, 0.2288
Android (android.graphics.Color)	4278278786 (0xFF015A82)
YUV	67.9490, 30.5911, -58.7143
Hunter-Lab	30.0136, -6.3709, -23.6280

Details

The CIELCh color **36, 29.649, 255.894** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **30, 55.763, 48.627**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 29.482, 255.781**, and **18, 25.437, 272.416** is the 20% darker color. If you saturate the color by 10%, you get **36, 29.810, 256.258**, and if you desaturate by 10%, it is **37, 27.865, 251.484**.

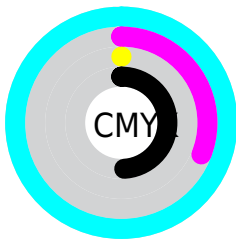
Distribution



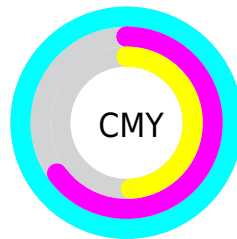
- Red (0%)
- Green (35%)
- Blue (51%)



- Red (0%)
- Yellow (21%)
- Blue (51%)



- Cyan (99%)
- Magenta (31%)
- Yellow (0%)
- Black (49%)





- Cyan (100%)
- Magenta (65%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 29.649, 255.894 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, 29.649, 255.894 by changing the saturation by 10% instead.


 36, 29.649,
255.894

 36, 29.649,
255.894

 100, 29.649,
255.894


 26, 29.649,
255.894

 56, 29.649,
255.894

 16, 29.649,
255.894


 66, 29.649,
255.894

 6, 29.649, 255.894

 76, 29.649,
255.894

 0, 29.649, 255.894

 86, 29.649,
255.894

 96, 29.649,
255.894

■ 36, 29.649,
255.894

■ 36, 29.649,
255.894

■ 36, 29.810,
256.258

■ 37, 27.865,
251.484

■ 39, 25.959,
247.431

■ 41, 23.761,
244.013

■ 42, 21.220,
241.194

■ 44, 18.326,
238.904

■ 46, 15.098,
237.062

■ 48, 11.572,
235.592

■ 50, 7.790, 234.427

Harmonies

Complementary

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



36, 29.649, 255.894



30, 55.763, 48.627

Rectangle

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



36, 29.649, 255.894



36, 29.649, 305.894



36, 29.649, 75.894



36, 29.649, 125.894

Sweetspot

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



36, 29.648, 255.895



61, 14.615, 235.796



47, 63.224, 141.907



30, 9.827, 236.291



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, 29.648, 255.895



46, 36.306, 257.499



18, 68.771, 301.461



27, 2.377, 233.535



36, 29.745, 256.243



0, 0.579, 232.762

Inverse Universe

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



28, 55.982, 344.797



37, 67.304, 345.440



45, 51.864, 88.478



26, 4.243, 335.245



28, 55.988, 344.935



0, 1.009, 334.674

Previews

White Background



This preview shows how the CIELCh color 36, 29.649, 255.894 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, 29.649, 255.894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

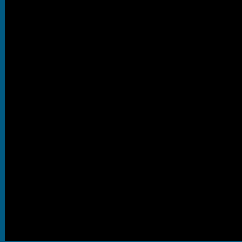
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 29.649, 255.894

Background



This preview shows how black text looks on a background with the CIELCh color 36, 29.649, 255.894.

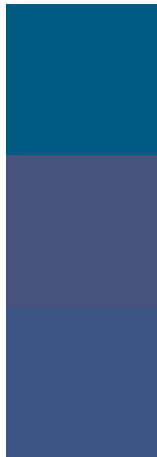


This preview shows how white text looks on a background with the CIELCh color 36, 29.649, 255.894.

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, 29.614, 256.004

Protanopia

36, 25.610, 285.241

Deuteranopia

36, 29.695, 279.926



Tritanopia
36, 23.350, 207.503

Trichromacy



Original Color
36, 29.614, 256.004

Protanomaly
35, 26.786, 268.292

Deuteranomaly
36, 29.440, 268.199

Tritanomaly
36, 23.736, 227.307

Monochromacy



Original Color
36, 29.614, 256.004

Achromatopsia
29, 0.005, 296.813

Achromatomaly
31, 14.359, 240.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 29.649, 255.894 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(1, 90, 130)` looks like.

```
.text, #text, p{  
    color:rgb(1, 90, 130)  
}
```

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(1, 90, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 90, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 29.649, 255.894 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(1, 90, 130) }
```

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

```
.border{ border-color:rgb(1, 90, 130) }
```

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

Here you see how a box with a 4 pixel rgb(1, 90, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 90, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 90, 130);  
box-shadow:4px 4px 4px 4px rgb(1, 90, 130)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 29.649, 255.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 90, 130) }
```

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

```
.background{ background-color: rgb(1, 90,  
130) }
```

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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