

Converting Colors

CIELCh(36, 29.776, 260.780)

Have a look what the booklet for
CIELCh(36, 29.776, 260.780)
contains.

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Color

CIELCh(36, 29.709, 260.759)

Conversions

Conversions Part 1

Format	Color
Hex	155983
RGB	21, 89, 131
RGB Percent	8%, 35%, 51%
CMY	0.9188, 0.6496, 0.4848
CMYK	0.84, 0.32, 0.00, 0.48
HSL	203°, 73%, 30%
HSV	203°, 84%, 52%
XYZ	8.0268, 9.0082, 22.9233
YIQ	73.4560, -54.0100, -1.3540

Conversions

Conversions Part 2

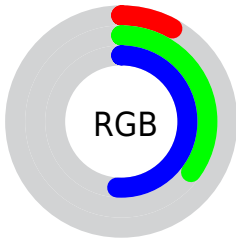
Format	Color
R_{YB}	21, 63, 131
Decimal	1399171
CIE _{Lab}	36.00, -4.77, -29.32
CIE _{LCh}	36, 29.709, 260.759
Yxy	9.0082, 0.2009, 0.2254
Android (android.graphics.Color)	4279589251 (0xFF155983)
YUV	73.4560, 28.3692, -46.0039
Hunter-Lab	30.0136, -4.7860, -24.2740

Details

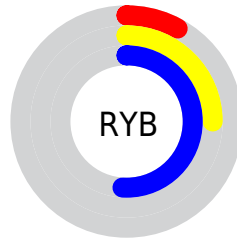
The CIELCh color $36, 29.709, 260.759$ is a dark color, and the websafe version is hex 006699 . A complement of this color would be $35, 45.996, 54.532$, and the grayscale version is $31, 0.005, 296.813$.

A 20% lighter version of the original color is $56, 29.427, 260.536$, and $17, 26.631, 274.881$ is the 20% darker color. If you saturate the color by 10%, you get $34, 32.321, 265.318$, and if you desaturate by 10%, it is $38, 26.985, 256.711$.

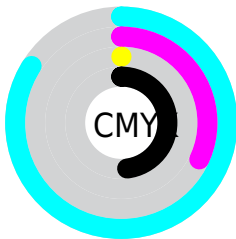
Distribution



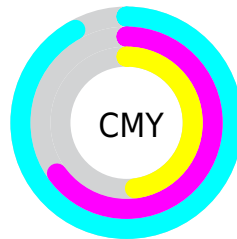
- Red (8%)
- Green (35%)
- Blue (51%)



- Red (8%)
- Yellow (25%)
- Blue (51%)



- Cyan (84%)
- Magenta (32%)
- Yellow (0%)
- Black (48%)





- Cyan (92%)
- Magenta (65%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 29.709, 260.759 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, 29.709, 260.759 by changing the saturation by 10% instead.


 36, 29.709,
260.759


 36, 29.709,
260.759

 100, 29.709,
260.759


 26, 29.709,
260.759

 56, 29.709,
260.759


 16, 29.709,
260.759


 66, 29.709,
260.759

 6, 29.709, 260.759

 76, 29.709,
260.759

 0, 29.709, 260.759

 86, 29.709,
260.759

 96, 29.709,
260.759

■ 36, 29.709,
260.759

■ 36, 29.709,
260.759

■ 34, 32.321,
265.318

■ 38, 26.985,
256.711

■ 33, 33.876,
267.862

■ 40, 24.065,
253.240

■ 42, 20.908,
250.327

■ 44, 17.501,
247.915

■ 47, 13.859,
245.932

■ 49, 10.007,
244.311

■ 51, 5.979, 242.994

■ 54, 1.808, 242.021

Harmonies

Complementary

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



36, 29.709, 260.759



35, 45.996, 54.532

Rectangle

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



36, 29.709, 260.759



36, 29.709, 310.759



36, 29.709, 80.759



36, 29.709, 130.759

Sweetspot

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



36, 29.708, 260.760



62, 12.760, 244.508



48, 54.220, 147.037



32, 8.723, 244.974



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



36, 29.708, 260.760



43, 41.734, 269.131



20, 63.447, 300.176



27, 2.404, 242.435



33, 33.604, 267.807



0, 0.583, 241.442

Inverse Universe

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



30, 51.740, 346.847



37, 65.419, 350.993



49, 50.163, 95.241



26, 4.036, 338.309



28, 53.826, 350.264



0, 0.959, 337.697

Previews

White Background



This preview shows how the CIELCh color 36, 29.709, 260.759 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, 29.709, 260.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

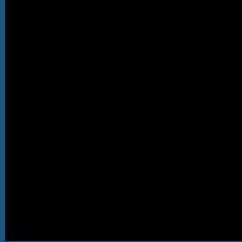
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 29.709, 260.759

Background



This preview shows how black text looks on a background with the CIELCh color 36, 29.709, 260.759.

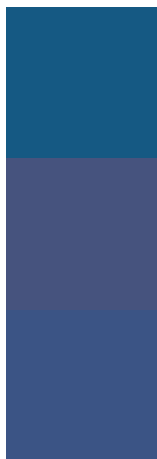


This preview shows how white text looks on a background with the CIELCh color 36, 29.709, 260.759.

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, 29.659, 260.940

Protanopia

36, 26.854, 285.269

Deuteranopia

36, 30.911, 280.938



Tritanopia
36, 23.350, 207.503

Trichromacy



Original Color
36, 29.659, 260.940

Protanomaly
36, 27.914, 273.805

Deuteranomaly
36, 30.067, 272.259

Tritanomaly
36, 23.241, 229.998

Monochromacy



Original Color
36, 29.659, 260.940

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 12.830, 246.501

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 29.709, 260.759 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(21, 89, 131)` looks like.

```
.text, #text, p{  
    color:rgb(21, 89, 131)  
}
```

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(21, 89, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 89, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 29.709, 260.759 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(21, 89, 131) }
```

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

```
.border{ border-color:rgb(21, 89, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 89, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 89, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 89, 131);  
box-shadow:4px 4px 4px 4px rgb(21, 89,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 29.709, 260.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 89, 131) }
```

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

```
.background{ background-color: rgb(21, 89,  
131) }
```

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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