

Converting Colors

CIELCh(34, 29.204, 260.669)

Have a look what the booklet for
CIELCh(34, 29.204, 260.669)
contains.

CIELCh(34, 28.826, 259.619)	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(34, 28.826, 259.619)

Conversions

Conversions Part 1

Format	Color
Hex	0D557D
RGB	13, 85, 125
RGB Percent	5%, 33%, 49%
CMY	0.9480, 0.6679, 0.5111
CMYK	0.89, 0.32, 0.00, 0.51
HSL	202°, 81%, 27%
HSV	202°, 89%, 49%
XYZ	7.0744, 8.0082, 20.4636
YIQ	68.0320, -55.7520, -2.8240

Conversions

Conversions Part 2

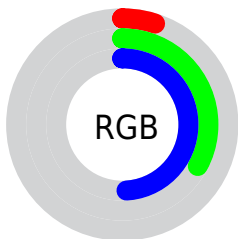
Format	Color
RYB	13, 57, 125
Decimal	873853
CIELab	34.00, -5.19, -28.35
CIElCh	34, 28.826, 259.619
Yxy	8.0082, 0.1990, 0.2253
Android (android.graphics.Color)	4279063933 (0xFF0D557D)
YUV	68.0320, 28.0852, -48.2631
Hunter-Lab	28.2988, -4.8999, -23.0649

Details

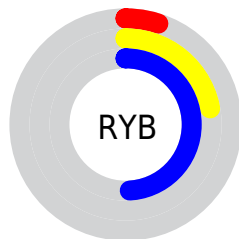
The CIELCh color **34, 28.826, 259.619** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **32, 47.275, 52.473**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 29.064, 260.179**, and **16, 26.101, 276.321** is the 20% darker color. If you saturate the color by 10%, you get **32, 31.118, 264.090**, and if you desaturate by 10%, it is **36, 26.504, 255.373**.

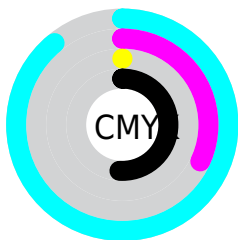
Distribution



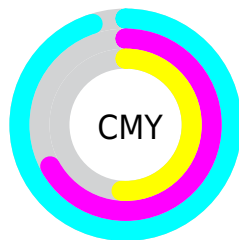
- Red (5%)
- Green (33%)
- Blue (49%)



- Red (5%)
- Yellow (22%)
- Blue (49%)



- Cyan (89%)
- Magenta (32%)
- Yellow (0%)
- Black (51%)



- Cyan (95%)
- Magenta (67%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 28.826, 259.619 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 34, 28.826, 259.619 by changing the saturation by 10% instead.

 34, 28.826,
259.619

 34, 28.826,
259.619

 100, 28.826,
259.619

 24, 28.826,
259.619

 54, 28.826,
259.619

 14, 28.826,
259.619

 64, 28.826,
259.619

 4, 28.826, 259.619

 74, 28.826,
259.619

 0, 28.826, 259.619

 84, 28.826,
259.619

 94, 28.826,
259.619

■ 34, 28.826,
259.619

■ 34, 28.826,
259.619

■ 32, 31.118,
264.090

■ 36, 26.504,
255.373

■ 32, 31.270,
264.358

■ 38, 23.990,
251.712

■ 39, 21.229,
248.633

■ 41, 18.202,
246.084

■ 44, 14.914,
243.995

■ 46, 11.391,
242.293

■ 48, 7.665, 240.913

■ 50, 3.771, 239.820

Harmonies

Complementary

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



34, 28.826, 259.619



32, 47.275, 52.473

Rectangle

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



34, 28.826, 259.619



34, 28.826, 309.619



34, 28.826, 79.619



34, 28.826, 129.619

Sweetspot

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



34, 28.825, 259.620



59, 13.104, 242.037



46, 54.945, 145.503



30, 8.733, 242.450



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



34, 28.825, 259.620



42, 38.659, 265.730



18, 63.356, 300.765



25, 2.236, 239.791



32, 31.326, 264.371



64, 54.635, 267.336

Inverse Universe

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



28, 51.349, 346.337



36, 63.971, 349.178



46, 49.175, 93.595



24, 3.831, 337.352



27, 52.908, 348.502



55, 88.173, 350.012

Previews

White Background



This preview shows how the CIELCh color 34, 28.826, 259.619 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 34, 28.826, 259.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

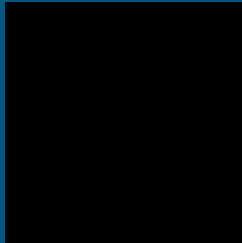
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 28.826, 259.619

Background



This preview shows how black text looks on a background with the CIELCh color 34, 28.826, 259.619.



This preview shows how white text looks on a background with the CIELCh color 34, 28.826, 259.619.

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


34, 28.866, 259.474

Protanopia

34, 25.242, 284.439

Deuteranopia

34, 29.363, 279.963



Tritanopia
34, 22.524, 206.348

Trichromacy



Original Color
34, 28.866, 259.474

Protanomaly
34, 26.477, 271.771

Deuteranomaly
34, 29.186, 271.148

Tritanomaly
34, 22.493, 229.654

Monochromacy



Original Color
34, 28.866, 259.474

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 13.111, 245.951

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 28.826, 259.619 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(13, 85, 125)` looks like.

```
.text, #text, p{  
    color:rgb(13, 85, 125)  
}
```

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(13, 85, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 85, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 28.826, 259.619 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(13, 85, 125) }
```

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

```
.border{ border-color:rgb(13, 85, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 85, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 85, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 85, 125);  
box-shadow:4px 4px 4px 4px rgb(13, 85,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 28.826, 259.619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 85, 125) }
```

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

```
.background{ background-color: rgb(13, 85,  
125) }
```

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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