

Converting Colors

CIELCh(34, 21.954, 215.531)

Have a look what the booklet for
CIELCh(34, 21.954, 215.531)
contains.

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Color

CIELCh(34, 21.999, 215.343)

Conversions

Conversions Part 1

Format	Color
Hex	045964
RGB	4, 89, 100
RGB Percent	2%, 35%, 39%
CMY	0.9842, 0.6527, 0.6096
CMYK	0.96, 0.11, 0.00, 0.61
HSL	187°, 92%, 20%
HSV	187°, 96%, 39%
XYZ	5.8642, 8.0082, 13.1792
YIQ	64.8390, -54.1910, -14.5990

Conversions

Conversions Part 2

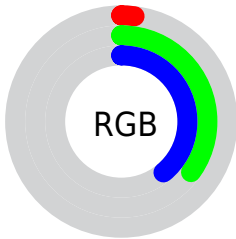
Format	Color
R_{YB}	4, 49, 100
Decimal	285028
CIE _{Lab}	34.00, -17.94, -12.73
CIE _{LCh}	34, 21.999, 215.343
Yxy	8.0082, 0.2168, 0.2960
Android (android.graphics.Color)	4278475108 (0xFF045964)
YUV	64.8390, 17.3344, -53.3558
Hunter-Lab	28.2988, -12.5334, -7.8031

Details

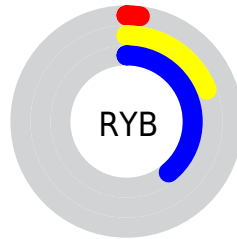
The CIELCh color **34, 21.999, 215.343** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **20, 46.317, 38.505**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 22.004, 216.034**, and **15, 14.323, 226.941** is the 20% darker color. If you saturate the color by 10%, you get **34, 22.254, 215.922**, and if you desaturate by 10%, it is **35, 21.356, 213.874**.

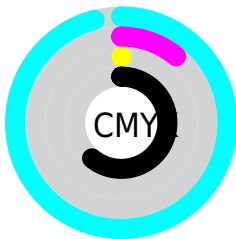
Distribution



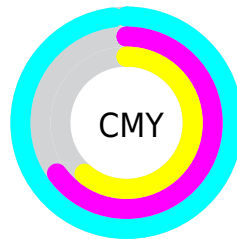
- Red (2%)
- Green (35%)
- Blue (39%)



- Red (2%)
- Yellow (19%)
- Blue (39%)



- Cyan (96%)
- Magenta (11%)
- Yellow (0%)
- Black (61%)





- Cyan (98%)
- Magenta (65%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 21.999, 215.343 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, 21.999, 215.343 by changing the saturation by 10% instead.


 34, 21.999,
215.343


 34, 21.999,
215.343

 100, 21.999,
215.343


 24, 21.999,
215.343

 54, 21.999,
215.343


 14, 21.999,
215.343


 64, 21.999,
215.343

 4, 21.999, 215.343

 74, 21.999,
215.343

 0, 21.999, 215.343

 84, 21.999,
215.343

 94, 21.999,
215.343

■ 34, 21.999,
215.343

■ 34, 21.999,
215.343

■ 34, 22.254,
215.922

■ 35, 21.356,
213.874

■ 35, 20.362,
212.650

■ 36, 18.913,
211.713

■ 37, 17.016,
211.026

■ 37, 14.700,
210.549

■ 38, 12.008,
210.250

■ 39, 8.989, 210.100

■ 40, 5.696, 210.079

Harmonies

Complementary

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



34, 21.999, 215.343



20, 46.317, 38.505

Rectangle

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



34, 21.999, 215.343



34, 21.999, 265.343



34, 21.999, 35.343



34, 21.999, 85.343

Sweetspot

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



34, 21.998, 215.342



50, 12.342, 210.142



36, 56.620, 137.917



25, 8.439, 210.191



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



34, 21.998, 215.342



44, 26.863, 216.585



18, 39.357, 288.594



21, 2.082, 210.152



39, 24.578, 216.291



79, 42.448, 217.674

Inverse Universe

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



22, 52.358, 332.889



29, 64.241, 333.248



30, 39.751, 72.025



20, 3.908, 328.192



25, 58.788, 333.176



56, 101.419, 333.517

Previews

White Background



This preview shows how the CIELCh color 34, 21.999, 215.343 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 CIELCh color 34, 21.999, 215.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

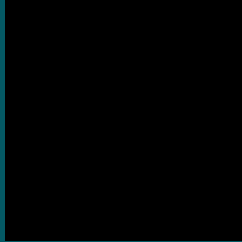
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

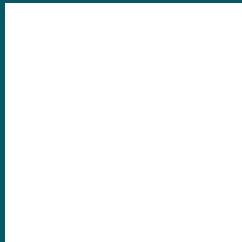
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 21.999, 215.343

Background



This preview shows how black text looks on a background with the CIELCh color 34, 21.999, 215.343.



This preview shows how white text looks on a background with the CIELCh color 34, 21.999, 215.343.

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, 22.079, 215.265

Protanopia

34, 8.810, 286.463

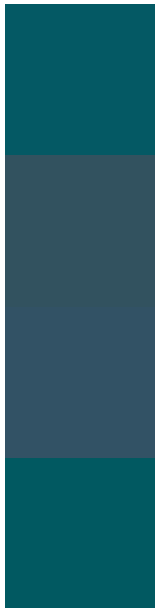
Deuteranopia

34, 14.441, 288.065



Tritanopia
34, 22.463, 208.059

Trichromacy



Original Color
34, 22.079, 215.265

Protanomaly
33, 13.706, 235.183

Deuteranomaly
33, 15.812, 248.017

Tritanomaly
34, 22.335, 209.838

Monochromacy



Original Color
34, 22.079, 215.265

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 11.875, 210.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 21.999, 215.343 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(4, 89, 100)` looks like.

```
.text, #text, p{  
    color:rgb(4, 89, 100)  
}
```

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(4, 89, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 89, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 21.999, 215.343 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(4, 89, 100) }
```

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

```
.border{ border-color:rgb(4, 89, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 89, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 89, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 89, 100);  
box-shadow:4px 4px 4px 4px rgb(4, 89, 100)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 21.999, 215.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 89, 100) }
```

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

```
.background{ background-color: rgb(4, 89,  
100) }
```

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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