

Converting Colors

CIELCh(35, 8.912, 216.470)

Have a look what the booklet for
CIELCh(35, 8.912, 216.470) contains.

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Color

CIELCh(35, 8.870, 214.774)

Conversions

Conversions Part 1

Format	Color
Hex	40565A
RGB	64, 86, 90
RGB Percent	25%, 34%, 35%
CMY	0.7487, 0.6625, 0.6468
CMYK	0.29, 0.04, 0.00, 0.65
HSL	189°, 17%, 30%
HSV	189°, 29%, 35%
XYZ	7.3006, 8.4984, 10.9441
YIQ	79.8780, -14.3960, -3.4200

Conversions

Conversions Part 2

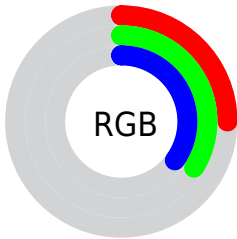
Format	Color
RYB	64, 76, 90
Decimal	4216410
CIELab	35.00, -7.29, -5.06
CIElCh	35, 8.870, 214.774
Yxy	8.4984, 0.2730, 0.3178
Android (android.graphics.Color)	4282406490 (0xFF40565A)
YUV	79.8780, 4.9901, -13.9250
Hunter-Lab	29.1520, -6.3136, -1.8519

Details

The CIELCh color **35, 8.870, 214.774** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **31, 10.680, 34.594**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 8.783, 213.871**, and **15, 9.014, 211.321** is the 20% darker color. If you saturate the color by 10%, you get **34, 11.513, 215.185**, and if you desaturate by 10%, it is **36, 5.979, 214.514**.

Distribution



 Red (25%)

 Green (34%)

 Blue (35%)



 Red (25%)

 Yellow (30%)

 Blue (35%)

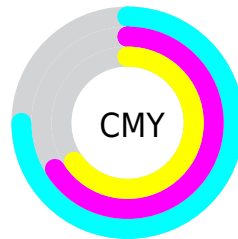


 Cyan (29%)

 Magenta (4%)

 Yellow (0%)

 Black (65%)



 Cyan (75%)

 Magenta (66%)

 Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 8.870, 214.774 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 35, 8.870, 214.774 by changing the saturation by 10% instead.

■ 35, 8.870, 214.774

■ 35, 8.870, 214.774

■ 100, 8.870,
214.774

■ 25, 8.870, 214.774

■ 55, 8.870, 214.774

■ 15, 8.870, 214.774

■ 65, 8.870, 214.774

■ 5, 8.870, 214.774

■ 75, 8.870, 214.774

■ 0, 8.870, 214.774

■ 85, 8.870, 214.774

■ 95, 8.870, 214.774

■ 35, 8.870, 214.774

■ 35, 8.870, 214.774

■ 34, 11.513,
215.185

■ 36, 5.979, 214.514

33, 13.862,
215.793

37, 2.884, 214.420

32, 15.876,
216.632

38, 0.376, 33.435

40, 3.762, 34.202

31, 17.519,
217.749

41, 7.246, 34.326

31, 18.773,
219.196

42, 10.799, 34.470

44, 14.401, 34.642

30, 19.637,
221.026

45, 18.034, 34.837

29, 20.339,
222.983

46, 21.684, 35.048

29, 20.422,
223.195

Harmonies

Complementary

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



35, 8.870, 214.774



31, 10.680, 34.594

Rectangle

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



35, 8.870, 214.774



35, 8.870, 264.774



35, 8.870, 34.774



35, 8.870, 84.774

Sweetspot

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



35, 8.870, 214.769



48, 3.635, 214.419



36, 17.749, 146.929



24, 2.495, 214.420



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



35, 8.870, 214.769



45, 13.026, 215.054



31, 11.216, 273.807



18, 1.851, 214.420



36, 23.422, 223.953



75, 41.224, 226.012

Inverse Universe

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



31, 17.748, 330.587



38, 26.683, 331.013



35, 11.347, 86.334



17, 3.479, 329.424



24, 55.334, 335.084



54, 96.821, 335.608

Previews

White Background



This preview shows how the CIE LCh color 35, 8.870, 214.774 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 35, 8.870, 214.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

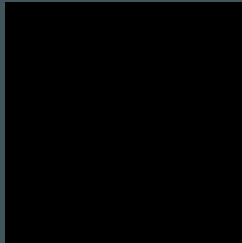
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

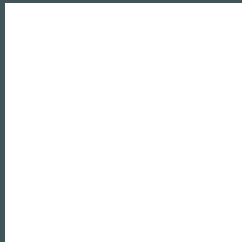
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 8.870, 214.774

Background



This preview shows how black text looks on a background with the CIELCh color 35, 8.870, 214.774.



This preview shows how white text looks on a background with the CIELCh color 35, 8.870, 214.774.

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

35, 8.870, 214.774

Protanopia

35, 3.123, 290.713

Deuteranopia

35, 7.347, 311.115



Tritanopia
35, 9.071, 227.409

Trichromacy



Original Color

35, 8.870, 214.774

Protanomaly

35, 4.469, 243.594

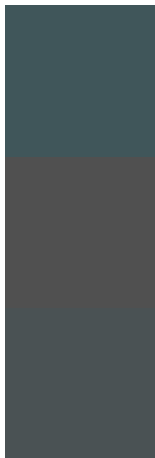
Deuteranomaly

35, 5.817, 274.891

Tritanomaly

35, 8.850, 223.602

Monochromacy



Original Color

35, 8.870, 214.774

Achromatopsia

34, 0.005, 296.813

Achromatomaly

34, 3.529, 219.880

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 8.870, 214.774 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(64, 86, 90)` looks like.

```
.text, #text, p{  
    color:rgb(64, 86, 90)  
}
```

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(64, 86, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 86, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 8.870, 214.774 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(64, 86, 90) }
```

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

```
.border{ border-color:rgb(64, 86, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 86, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 86, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 86, 90);  
box-shadow:4px 4px 4px 4px rgb(64, 86, 90)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 8.870, 214.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 86, 90) }
```

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

```
.background{ background-color: rgb(64, 86,  
90) }
```

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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