

Converting Colors

CIELCh(35, 0.933, 9.040)

Have a look what the booklet for
CIELCh(35, 0.933, 9.040) contains.

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Color

CIELCh(35, 0.862, 19.194)

Conversions

Conversions Part 1

Format	Color
Hex	545252
RGB	84, 82, 82
RGB Percent	33%, 32%, 32%
CMY	0.6711, 0.6790, 0.6790
CMYK	0.00, 0.02, 0.02, 0.67
HSL	0°, 1%, 32%
HSV	0°, 2%, 33%
XYZ	8.1675, 8.4984, 9.1641
YIQ	82.5980, 1.1920, 0.4240

Conversions

Conversions Part 2

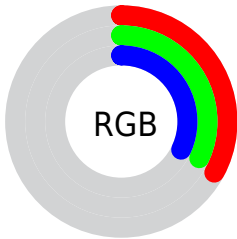
Format	Color
RYB	84, 82, 82
Decimal	5526098
CIELab	35.00, 0.81, 0.28
CIELCh	35, 0.862, 19.194
Yxy	8.4984, 0.3162, 0.3290
Android (android.graphics.Color)	4283716178 (0xFF545252)
YUV	82.5980, -0.2948, 1.2296
Hunter-Lab	29.1520, -1.0055, 1.7682

Details

The CIELCh color $35, 0.862, 19.194$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $35, 0.849, 199.698$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $55, 0.793, 18.979$, and $15, 0.981, 19.464$ is the 20% darker color. If you saturate the color by 10%, you get $32, 4.635, 20.141$, and if you desaturate by 10%, it is $38, 2.651, 199.230$.

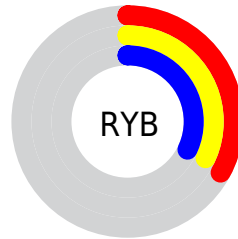
Distribution



Red (33%)

Green (32%)

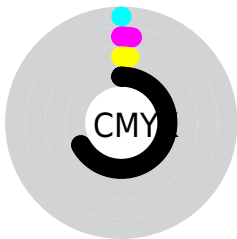
Blue (32%)



Red (33%)

Yellow (32%)

Blue (32%)

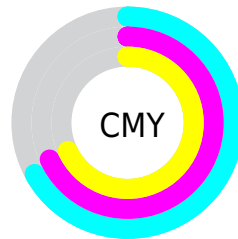


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (67%)



Cyan (67%)

Magenta (68%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 0.862, 19.194 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, 0.862, 19.194 by changing the saturation by 10% instead.

■ 35, 0.862, 19.194 ■ 35, 0.862, 19.194

100, 0.862, 19.194 ■ 25, 0.862, 19.194

■ 55, 0.862, 19.194 ■ 15, 0.862, 19.194

■ 65, 0.862, 19.194 ■ 5, 0.862, 19.194

■ 75, 0.862, 19.194 ■ 0, 0.862, 19.194

■ 85, 0.862, 19.194

■ 95, 0.862, 19.194

■ 35, 0.862, 19.194 ■ 35, 0.862, 19.194

■ 32, 4.635, 20.141 ■ 38, 2.651, 199.230

■ 30, 8.683, 20.933 ■ 41, 5.922, 198.780

27, 13.008, 21.915

43, 8.975, 198.447

24, 17.590, 23.160

46, 11.834,
198.180

22, 22.382, 24.751

49, 14.520,
197.961

20, 27.301, 26.771

18, 32.225, 29.289

52, 17.053,
197.780

17, 36.723, 31.618

55, 19.451,
197.627

16, 40.059, 32.603

58, 21.731,
197.499

60, 23.906,
197.389

Harmonies

Complementary

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



35, 0.862, 19.194



35, 0.849, 199.698

Rectangle

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



35, 0.862, 19.194



35, 0.862, 69.194



35, 0.862, 199.194



35, 0.862, 249.194

Sweetspot

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



35, 0.861, 19.259



46, 0.449, 18.737



35, 1.524, 324.471



23, 0.257, 18.646



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



35, 0.861, 19.259



45, 1.355, 19.378



35, 0.749, 74.895



16, 0.792, 19.426



20, 51.584, 36.297



48, 97.366, 40.006

Inverse Universe

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



35, 0.849, 199.698



46, 1.330, 199.581



35, 0.752, 255.945



16, 0.776, 199.534



40, 25.994, 196.500



84, 46.611, 196.508

Previews

White Background



This preview shows how the CIELCh color 35, 0.862, 19.194 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, 0.862, 19.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

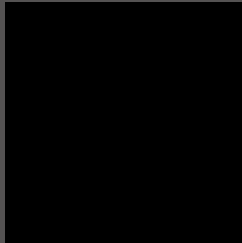
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

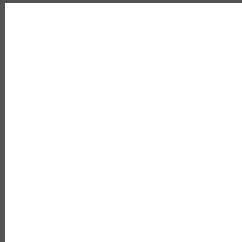
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 35, 0.862, 19.194

Background



This preview shows how black text looks on a background with the CIELCh color 35, 0.862, 19.194.



This preview shows how white text looks on a background with the CIELCh color 35, 0.862, 19.194.

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, 0.862, 19.194

Protanopia

35, 0.862, 19.194

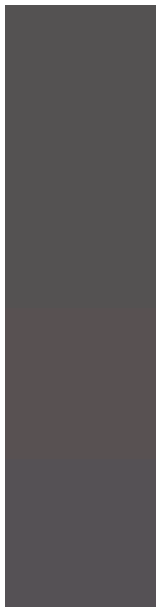
Deuteranopia

35, 4.536, 4.154



Tritanopia
35, 4.132, 314.907

Trichromacy



Original Color
35, 0.862, 19.194

Protanomaly
35, 0.862, 19.194

Deuteranomaly
35, 3.107, 8.251

Tritanomaly
35, 3.043, 324.632

Monochromacy



Original Color
35, 0.862, 19.194

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 0.430, 18.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 0.862, 19.194 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(84, 82, 82)` looks like.

```
.text, #text, p{  
    color:rgb(84, 82, 82)  
}
```

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(84, 82, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 82, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 0.862, 19.194 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(84, 82, 82) }
```

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

```
.border{ border-color:rgb(84, 82, 82) }
```

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

Here you see how a box with a 4 pixel rgb(84, 82, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 82, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 82, 82);  
box-shadow:4px 4px 4px 4px rgb(84, 82, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 0.862, 19.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 82, 82) }
```

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

```
.background{ background-color: rgb(84, 82,  
82) }
```

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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