

Converting Colors

CIELCh(35, 9.780, 49.570)

Have a look what the booklet for
CIELCh(35, 9.780, 49.570) contains.

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Color

CIELCh(35, 9.831, 46.589)

Conversions

Conversions Part 1

Format	Color
Hex	614E47
RGB	97, 78, 71
RGB Percent	38%, 31%, 28%
CMY	0.6186, 0.6931, 0.7206
CMYK	0.00, 0.20, 0.27, 0.62
HSL	16°, 15%, 33%
HSV	16°, 27%, 38%
XYZ	8.8453, 8.4984, 7.1768
YIQ	82.8830, 13.5710, 1.8510

Conversions

Conversions Part 2

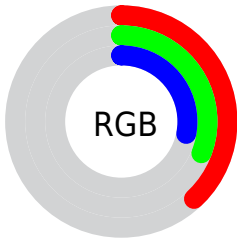
Format	Color
R_{YB}	97, 81, 71
Decimal	6377031
CIE Lab	35.00, 6.76, 7.14
CIE LCh	35, 9.831, 46.589
Yxy	8.4984, 0.3607, 0.3466
Android (android.graphics.Color)	4284567111 (0xFF614E47)
YUV	82.8830, -5.8583, 12.3806
Hunter-Lab	29.1520, 3.1447, 5.8100




Details

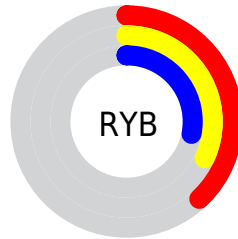
The CIELCh color $[35, 9.831, 46.589]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[37, 8.417, 229.722]$, and the grayscale version is $[35, 0.005, 296.813]$.




A 20% lighter version of the original color is $[55, 9.909, 47.558]$, and $[15, 9.720, 46.629]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 14.022, 46.327]$, and if you desaturate by 10%, it is $[37, 5.931, 46.949]$.

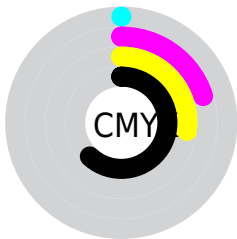
Distribution







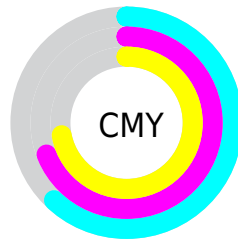
-  Red (38%)
-  Green (31%)
-  Blue (28%)






-  Red (38%)
-  Yellow (32%)
-  Blue (28%)



-  Cyan (0%)
-  Magenta (20%)
-  Yellow (27%)
-  Black (62%)



-  Cyan (62%)
-  Magenta (69%)
-  Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 9.831, 46.589 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, 9.831, 46.589 by changing the saturation by 10% instead.

 35, 9.831, 46.589  35, 9.831, 46.589

 100, 9.831, 46.589  25, 9.831, 46.589

 55, 9.831, 46.589  15, 9.831, 46.589


 65, 9.831, 46.589  5, 9.831, 46.589

 75, 9.831, 46.589  0, 9.831, 46.589

 85, 9.831, 46.589

 95, 9.831, 46.589

 35, 9.831, 46.589  35, 9.831, 46.589

 33, 14.022, 46.327  37, 5.931, 46.949

 31, 18.519, 46.164  40, 2.304, 47.310

■ 28, 23.317, 46.129

■ 42, 1.075, 228.225

■ 27, 28.383, 46.225

■ 44, 4.231, 228.543

■ 25, 33.625, 46.419

■ 47, 7.188, 229.069

■ 23, 38.755, 46.475

■ 49, 9.969, 229.628

■ 22, 42.885, 45.630

■ 52, 12.595,
230.197

■ 21, 44.165, 45.472

■ 54, 15.083,
230.769

■ 57, 17.451,
231.336

Harmonies

Complementary

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



35, 9.831, 46.589



37, 8.417, 229.722

Rectangle

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



35, 9.831, 46.589



35, 9.831, 96.589



35, 9.831, 226.589



35, 9.831, 276.589

Sweetspot

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



35, 9.831, 46.598



51, 3.431, 47.265



34, 16.205, 334.674



25, 2.427, 47.226



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



35, 9.831, 46.598



44, 15.040, 46.417



39, 12.455, 95.349



19, 1.924, 47.244



25, 50.309, 46.144



54, 92.234, 45.539

Inverse Universe

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



37, 8.417, 229.722



47, 12.353, 230.374



33, 12.718, 281.792



19, 1.836, 228.373



32, 25.191, 247.798



67, 44.955, 251.056

Previews

White Background



This preview shows how the CIE LCh color 35, 9.831, 46.589 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, 9.831, 46.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

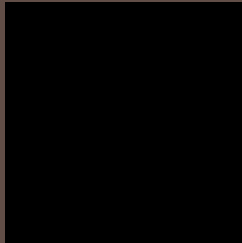
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 9.831, 46.589

Background



This preview shows how black text looks on a background with the CIELCh color 35, 9.831, 46.589.



This preview shows how white text looks on a background with the CIELCh color 35, 9.831, 46.589.

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, 9.831, 46.589

Protanopia

35, 5.867, 91.393

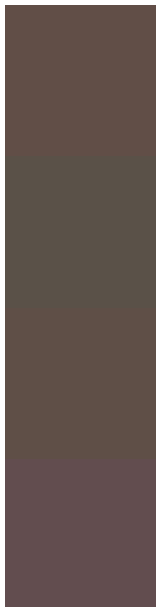
Deuteranopia

35, 8.535, 55.604



Tritanopia
35, 10.331, 0.004

Trichromacy



Original Color

35, 9.831, 46.589

Protanomaly

35, 6.938, 73.128

Deuteranomaly

35, 8.923, 53.888

Tritanomaly

35, 9.437, 13.344

Monochromacy



Original Color

35, 9.831, 46.589

Achromatopsia

35, 0.005, 296.813

Achromatomaly

35, 3.314, 41.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 9.831, 46.589 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(97, 78, 71)` looks like.

```
.text, #text, p{  
    color:rgb(97, 78, 71)  
}
```

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(97, 78, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 78, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 9.831, 46.589 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(97, 78, 71) }
```

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

```
.border{ border-color:rgb(97, 78, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 78, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 78, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 78, 71);  
box-shadow:4px 4px 4px 4px rgb(97, 78, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 35, 9.831, 46.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 78, 71) }
```

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

```
.background{ background-color: rgb(97, 78,  
71) }
```

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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