

Converting Colors

CIELCh(34, 9.180, 93.531)

Have a look what the booklet for
CIELCh(34, 9.180, 93.531) contains.

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Color

CIELCh(34, 9.628, 94.636)

Conversions

Conversions Part 1

Format	Color
Hex	555041
RGB	85, 80, 65
RGB Percent	33%, 31%, 25%
CMY	0.6675, 0.6871, 0.7459
CMYK	0.00, 0.06, 0.24, 0.67
HSL	45°, 13%, 29%
HSV	45°, 24%, 33%
XYZ	7.5294, 8.0082, 6.1197
YIQ	79.7850, 7.7950, -3.6050

Conversions

Conversions Part 2

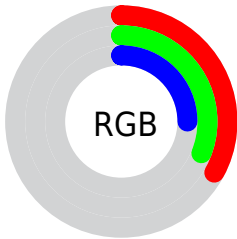
Format	Color
R_{YB}	72, 85, 65
Decimal	5591105
CIE Lab	34.00, -0.78, 9.60
CIE LCh	34, 9.628, 94.636
Yxy	8.0082, 0.3477, 0.3698
Android (android.graphics.Color)	4283781185 (0xFF555041)
YUV	79.7850, -7.2890, 4.5736
Hunter-Lab	28.2988, -2.0297, 6.9874

Details

The CIELCh color **34, 9.628, 94.636** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **30, 9.769, 280.197**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 9.507, 93.754**, and **14, 10.089, 94.774** is the 20% darker color. If you saturate the color by 10%, you get **33, 13.772, 93.494**, and if you desaturate by 10%, it is **35, 5.514, 95.757**.

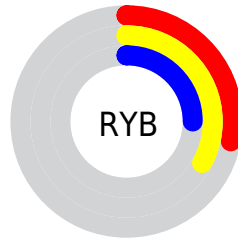
Distribution



Red (33%)

Green (31%)

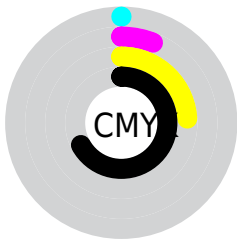
Blue (25%)



Red (28%)

Yellow (33%)

Blue (25%)

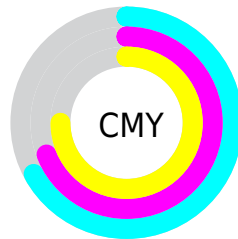


Cyan (0%)

Magenta (6%)

Yellow (24%)

Black (67%)



Cyan (67%)

Magenta (69%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 9.628, 94.636 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, 9.628, 94.636 by changing the saturation by 10% instead.

 34, 9.628, 94.636  34, 9.628, 94.636

 100, 9.628, 94.636  24, 9.628, 94.636

 54, 9.628, 94.636  14, 9.628, 94.636

 64, 9.628, 94.636  4, 9.628, 94.636

 74, 9.628, 94.636  0, 9.628, 94.636

 84, 9.628, 94.636

 94, 9.628, 94.636

 34, 9.628, 94.636  34, 9.628, 94.636

 33, 13.772, 93.494  35, 5.514, 95.757

 32, 17.917, 92.318  36, 1.440, 96.793

■ 32, 22.019, 91.116

■ 37, 2.586, 277.952

■ 31, 25.999, 89.887

■ 38, 6.562, 278.940

■ 30, 29.726, 88.622

■ 38, 10.487,
279.903

■ 29, 32.999, 87.295

■ 39, 14.365,
280.827

■ 29, 35.775, 85.920

■ 28, 37.680, 85.141

■ 40, 18.195,
281.709

■ 41, 21.981,
282.549

■ 42, 25.724,
283.346

Harmonies

Complementary

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



34, 9.628, 94.636



30, 9.769, 280.197

Rectangle

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



34, 9.628, 94.636



34, 9.628, 144.636



34, 9.628, 274.636



34, 9.628, 324.636

Sweetspot

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



34, 9.629, 94.643



46, 3.500, 96.435



30, 9.576, 1.747



23, 2.293, 96.411



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



34, 9.629, 94.643



43, 14.175, 94.032



35, 12.552, 118.558



17, 2.308, 96.270



36, 44.458, 84.533



75, 78.621, 83.083

Inverse Universe

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



30, 9.769, 280.197



37, 14.436, 281.012



29, 13.121, 301.436



16, 2.324, 278.258



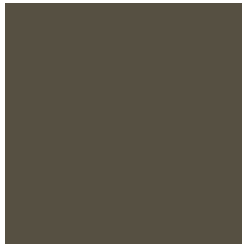
15, 55.453, 299.013



36, 105.084, 301.067

Previews

White Background



This preview shows how the CIELCh color 34, 9.628, 94.636 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, 9.628, 94.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

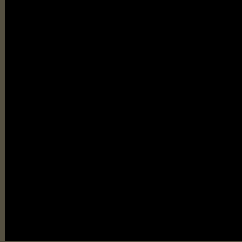
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 9.628, 94.636

Background



This preview shows how black text looks on a background with the CIELCh color 34, 9.628, 94.636.

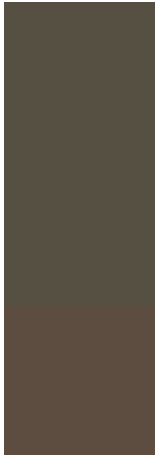


This preview shows how white text looks on a background with the CIELCh color 34, 9.628, 94.636.

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, 9.628, 94.636

Protanopia

34, 9.628, 94.636

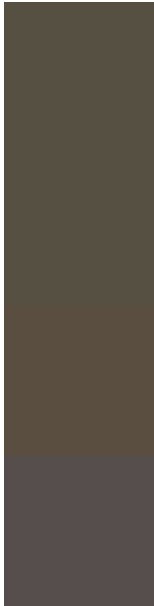
Deuteranopia

34, 10.685, 64.257



Tritanopia
34, 5.741, 339.398

Trichromacy



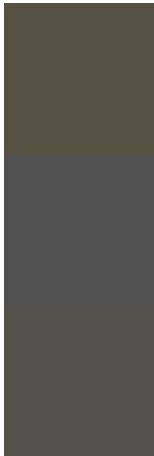
Original Color
34, 9.628, 94.636

Protanomaly
34, 9.628, 94.636

Deuteranomaly
34, 9.909, 74.312

Tritanomaly
34, 3.760, 39.205

Monochromacy



Original Color
34, 9.628, 94.636

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 3.844, 96.163

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 9.628, 94.636 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(85, 80, 65)` looks like.

```
.text, #text, p{  
    color:rgb(85, 80, 65)  
}
```

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(85, 80, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 80, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 9.628, 94.636 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(85, 80, 65) }
```

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

```
.border{ border-color:rgb(85, 80, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 80, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 80, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 80, 65);  
box-shadow:4px 4px 4px 4px rgb(85, 80, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 9.628, 94.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 80, 65) }
```

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

```
.background{ background-color: rgb(85, 80,  
65) }
```

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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