

Converting Colors

CIELCh(34, 4.507, 30.513)

Have a look what the booklet for
CIELCh(34, 4.507, 30.513) contains.

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Color

CIELCh(34, 4.624, 35.600)

Conversions

Conversions Part 1

Format	Color
Hex	584E4C
RGB	88, 78, 76
RGB Percent	35%, 31%, 30%
CMY	0.6556, 0.6948, 0.7027
CMYK	0.00, 0.11, 0.14, 0.66
HSL	10°, 7%, 32%
HSV	10°, 14%, 34%
XYZ	8.0169, 8.0082, 7.9280
YIQ	80.7620, 6.6020, 1.4980

Conversions

Conversions Part 2

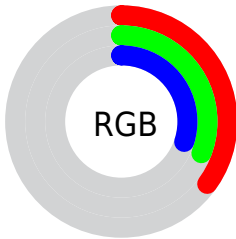
Format	Color
R_{YB}	88, 78, 76
Decimal	5787212
CIE Lab	34.00, 3.76, 2.69
CIE LCh	34, 4.624, 35.600
Yxy	8.0082, 0.3347, 0.3343
Android (android.graphics.Color)	4283977292 (0xFF584E4C)
YUV	80.7620, -2.3477, 6.3477
Hunter-Lab	28.2988, 1.0454, 3.1988

Details

The CIELCh color $[34, 4.624, 35.600]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[36, 4.262, 215.955]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 4.601, 34.202]$, and $[14, 4.371, 39.165]$ is the 20% darker color. If you saturate the color by 10%, you get $[32, 8.322, 35.745]$, and if you desaturate by 10%, it is $[36, 1.192, 35.428]$.

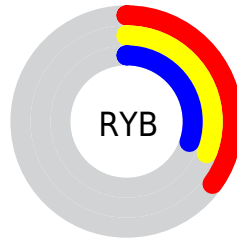
Distribution



 Red (35%)

 Green (31%)

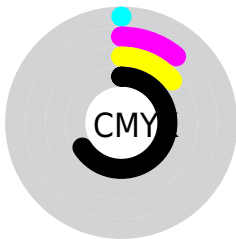
 Blue (30%)



 Red (35%)

 Yellow (31%)

 Blue (30%)

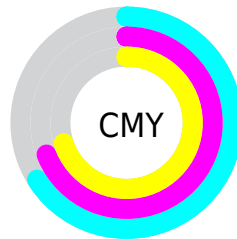


 Cyan (0%)

 Magenta (11%)

 Yellow (14%)

 Black (66%)



 Cyan (66%)

 Magenta (69%)

 Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 4.624, 35.600 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, 4.624, 35.600 by changing the saturation by 10% instead.

 34, 4.624, 35.600  34, 4.624, 35.600

 100, 4.624, 35.600  24, 4.624, 35.600

 54, 4.624, 35.600  14, 4.624, 35.600


 64, 4.624, 35.600  4, 4.624, 35.600

 74, 4.624, 35.600  0, 4.624, 35.600

 84, 4.624, 35.600

 94, 4.624, 35.600

 34, 4.624, 35.600  34, 4.624, 35.600

 32, 8.322, 35.745  36, 1.192, 35.428

 29, 12.305, 35.990  39, 1.994, 215.916

■ 27, 16.582, 36.395

■ 41, 4.958, 215.965

■ 25, 21.145, 36.998

■ 44, 7.725, 216.128

■ 23, 25.963, 37.832

■ 46, 10.314,
216.335

■ 21, 30.966, 38.904

■ 49, 12.748,
216.569

■ 19, 35.832, 39.824

■ 18, 39.625, 39.481

■ 51, 15.044,
216.821

■ 17, 41.784, 39.559

■ 54, 17.218,
217.084

■ 56, 19.285,
217.353

Harmonies

Complementary

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



34, 4.624, 35.600



36, 4.262, 215.955

Rectangle

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



34, 4.624, 35.600



34, 4.624, 85.600



34, 4.624, 215.600



34, 4.624, 265.600

Sweetspot

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



34, 4.623, 35.615



47, 1.628, 35.456



34, 8.123, 330.133



24, 1.169, 35.480



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



34, 4.623, 35.615



43, 6.827, 35.645



36, 5.254, 89.536



16, 1.840, 35.566



22, 50.221, 41.261



51, 94.820, 42.254

Inverse Universe

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



36, 4.262, 215.955



46, 6.179, 216.007



34, 5.245, 272.829



17, 1.749, 215.905



34, 22.997, 226.542



73, 40.887, 228.864

Previews

White Background



This preview shows how the CIELCh color 34, 4.624, 35.600 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 34, 4.624, 35.600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

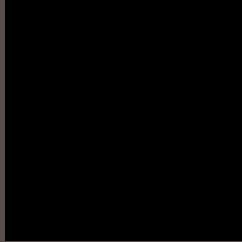
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 4.624, 35.600

Background



This preview shows how black text looks on a background with the CIELCh color 34, 4.624, 35.600.

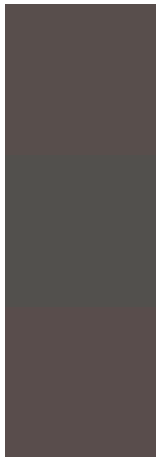


This preview shows how white text looks on a background with the CIELCh color 34, 4.624, 35.600.

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, 4.624, 35.600

Protanopia

34, 2.059, 84.649

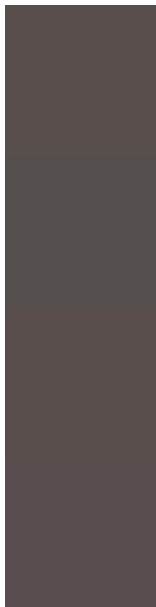
Deuteranopia

34, 5.388, 26.789



Tritanopia
34, 6.422, 344.669

Trichromacy



Original Color
34, 4.624, 35.600

Protanomaly
34, 2.523, 49.233

Deuteranomaly
34, 5.388, 26.789

Tritanomaly
34, 5.588, 0.678

Monochromacy



Original Color
34, 4.624, 35.600

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 1.441, 45.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 4.624, 35.600 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(88, 78, 76)` looks like.

```
.text, #text, p{  
    color:rgb(88, 78, 76)  
}
```

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(88, 78, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 78, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 4.624, 35.600 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(88, 78, 76) }
```

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

```
.border{ border-color:rgb(88, 78, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 78, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 78, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 78, 76);  
box-shadow:4px 4px 4px 4px rgb(88, 78, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 4.624, 35.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 78, 76) }
```

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

```
.background{ background-color: rgb(88, 78,  
76) }
```

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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