

Converting Colors

CIELCh(34, 13.976, 307.049)

Have a look what the booklet for
CIELCh(34, 13.976, 307.049)
contains.

CIELCh(34, 14.348, 306.943)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 14.348, 306.943)

Conversions

Conversions Part 1

Format	Color
Hex	554C62
RGB	85, 76, 98
RGB Percent	33%, 30%, 38%
CMY	0.6662, 0.7015, 0.6152
CMYK	0.13, 0.22, 0.00, 0.62
HSL	265°, 13%, 34%
HSV	265°, 22%, 38%
XYZ	8.5623, 8.0082, 12.6827
YIQ	81.1990, -1.6980, 8.7500

Conversions

Conversions Part 2

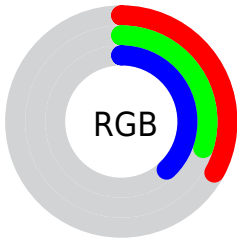
Format	Color
RYB	85, 76, 98
Decimal	5590114
CIELab	34.00, 8.62, -11.47
CIELCh	34, 14.348, 306.943
Yxy	8.0082, 0.2927, 0.2738
Android (android.graphics.Color)	4283780194 (0xFF554C62)
YUV	81.1990, 8.2829, 3.3335
Hunter-Lab	28.2988, 4.4854, -6.7629

Details

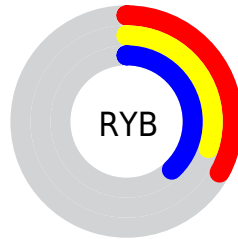
The CIELCh color $[34, 14.348, 306.943]$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $[40, 13.863, 124.797]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 14.421, 306.903]$, and $[14, 14.725, 307.349]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 21.033, 307.519]$, and if you desaturate by 10%, it is $[37, 7.834, 306.411]$.

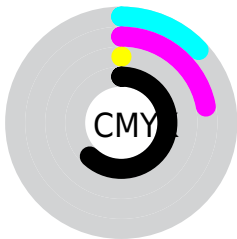
Distribution



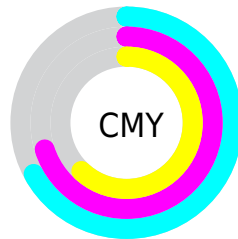
- Red (33%)
- Green (30%)
- Blue (38%)



- Red (33%)
- Yellow (30%)
- Blue (38%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)
- Black (62%)





- Cyan (67%)
- Magenta (70%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 14.348, 306.943 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, 14.348, 306.943 by changing the saturation by 10% instead.


 34, 14.348,
306.943


 34, 14.348,
306.943

 100, 14.348,
306.943


 24, 14.348,
306.943

 54, 14.348,
306.943


 14, 14.348,
306.943


 64, 14.348,
306.943

 4, 14.348, 306.943

 74, 14.348,
306.943

 0, 14.348, 306.943

 84, 14.348,
306.943

 94, 14.348,
306.943

■ 34, 14.348,
306.943

■ 34, 14.348,
306.943

■ 31, 21.033,
307.519

■ 37, 7.834, 306.411

■ 41, 1.509, 305.906

■ 27, 27.857,
308.133

■ 44, 4.624, 125.526

■ 24, 34.744,
308.765

■ 48, 10.567,
125.141

■ 21, 41.564,
309.379

■ 51, 16.329,
124.807

■ 18, 48.092,
309.918

■ 54, 21.916,
124.515

■ 15, 53.986,
310.296

■ 58, 27.338,
124.260

■ 13, 58.868,
310.433

■ 61, 32.603,
124.039

■ 12, 62.719,

310.695

 64, 37.721,
123.848

Harmonies

Complementary

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



34, 14.348, 306.943



40, 13.863, 124.797

Rectangle

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



34, 14.348, 306.943



34, 14.348, 356.943



34, 14.348, 126.943



34, 14.348, 176.943

Sweetspot

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



34, 14.347, 306.942



50, 5.434, 306.151



37, 7.388, 246.544



25, 3.501, 306.165



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



34, 14.347, 306.942



42, 21.588, 307.247



35, 15.979, 322.722



18, 3.482, 306.233



14, 69.065, 310.519



36, 121.621, 309.856

Inverse Universe

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



35, 12.392, 340.717



44, 18.546, 341.171



39, 15.903, 140.542



18, 3.036, 339.642



23, 47.893, 352.148



52, 82.836, 354.275

Previews

White Background



This preview shows how the CIELCh color 34, 14.348, 306.943 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, 14.348, 306.943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

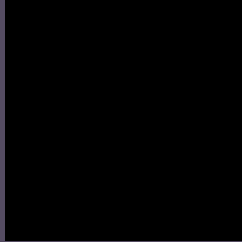
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 14.348, 306.943

Background



This preview shows how black text looks on a background with the CIELCh color 34, 14.348, 306.943.



This preview shows how white text looks on a background with the CIELCh color 34, 14.348, 306.943.

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, 14.348, 306.943

Protanopia

34, 13.227, 285.743

Deuteranopia

34, 12.581, 294.089



Tritanopia
34, 4.149, 314.913

Trichromacy



Original Color
34, 14.348, 306.943

Protanomaly
34, 13.207, 294.097

Deuteranomaly
34, 13.334, 299.196

Tritanomaly
34, 7.968, 309.618

Monochromacy



Original Color
34, 14.348, 306.943

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 5.315, 309.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 14.348, 306.943 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, 76, 98)` looks like.

```
.text, #text, p{  
    color:rgb(85, 76, 98)  
}
```

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, 76, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 76, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 14.348, 306.943 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, 76, 98) }
```

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

```
.border{ border-color:rgb(85, 76, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 76, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 76, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 76, 98);  
box-shadow:4px 4px 4px 4px rgb(85, 76, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 14.348, 306.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 76, 98) }
```

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

```
.background{ background-color: rgb(85, 76,  
98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor