

Converting Colors

CIELCh(34, 15.112, 166.108)

Have a look what the booklet for
CIELCh(34, 15.112, 166.108)
contains.

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Color

CIELCh(34, 14.873, 166.928)

Conversions

Conversions Part 1

Format	Color
Hex	37564A
RGB	55, 86, 74
RGB Percent	22%, 34%, 29%
CMY	0.7834, 0.6618, 0.7089
CMYK	0.36, 0.00, 0.14, 0.66
HSL	157°, 22%, 28%
HSV	157°, 36%, 34%
XYZ	6.1774, 8.0082, 7.7382
YIQ	75.3630, -14.6240, -10.3040

Conversions

Conversions Part 2

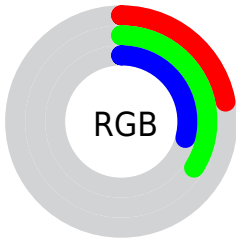
Format	Color
RYB	55, 74, 86
Decimal	3626570
CIELab	34.00, -14.49, 3.36
CIELCh	34, 14.873, 166.928
Yxy	8.0082, 0.2818, 0.3653
Android (android.graphics.Color)	4281816650 (0xFF37564A)
YUV	75.3630, -0.6720, -17.8584
Hunter-Lab	28.2988, -10.5575, 3.5966

Details

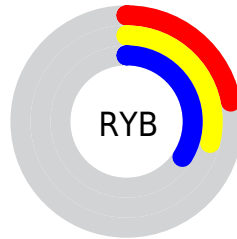
The CIELCh color $34, 14.873, 166.928$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $27, 15.934, 353.735$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 14.843, 167.577$, and $14, 15.299, 165.318$ is the 20% darker color. If you saturate the color by 10%, you get $33, 18.713, 165.802$, and if you desaturate by 10%, it is $35, 10.857, 167.951$.

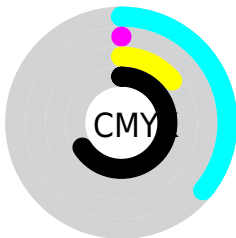
Distribution



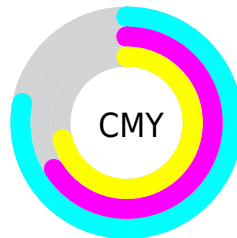
- Red (22%)
- Green (34%)
- Blue (29%)



- Red (22%)
- Yellow (29%)
- Blue (34%)



- Cyan (36%)
- Magenta (0%)
- Yellow (14%)
- Black (66%)



- Cyan (78%)
- Magenta (66%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 14.873, 166.928 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, 14.873, 166.928 by changing the saturation by 10% instead.


 34, 14.873,
166.928

 34, 14.873,
166.928

 100, 14.873,
166.928


 24, 14.873,
166.928

 54, 14.873,
166.928


 14, 14.873,
166.928


 64, 14.873,
166.928

 4, 14.873, 166.928

 74, 14.873,
166.928

 0, 14.873, 166.928

 84, 14.873,
166.928

 94, 14.873,
166.928

■ 34, 14.873,
166.928

■ 34, 14.873,
166.928

■ 33, 18.713,
165.802

■ 35, 10.857,
167.951

■ 33, 22.314,
164.559

■ 35, 6.721, 168.898

■ 36, 2.516, 169.818

■ 33, 25.621,
163.177

■ 37, 1.712, 350.378

■ 32, 28.587,
161.638

■ 38, 5.928, 351.226

■ 32, 31.181,
159.925

■ 39, 10.102,
351.946

■ 32, 33.518,
158.166

■ 40, 14.215,
352.616

■ 32, 34.469,
157.525

■ 41, 18.250,
353.250

■ 42, 22.198,

Harmonies

Complementary

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



34, 14.873, 166.928



27, 15.934, 353.735

Rectangle

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



34, 14.873, 166.928



34, 14.873, 216.928



34, 14.873, 346.928



34, 14.873, 36.928

Sweetspot

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



34, 14.874, 166.926



46, 5.766, 169.316



34, 20.888, 130.967



23, 3.832, 169.250



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, 14.874, 166.926



44, 21.814, 165.980



33, 10.825, 208.445



17, 2.373, 169.551



39, 40.587, 156.838



82, 74.298, 155.211

Inverse Universe

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



27, 15.934, 353.735



33, 23.741, 354.861



28, 13.728, 30.070



16, 2.414, 350.874



21, 44.679, 10.012



50, 79.998, 13.805

Previews

White Background



This preview shows how the CIELCh color 34, 14.873, 166.928 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, 14.873, 166.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

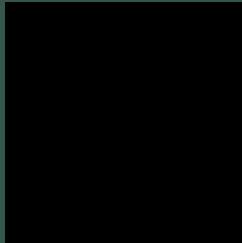
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 14.873, 166.928

Background



This preview shows how black text looks on a background with the CIELCh color 34, 14.873, 166.928.



This preview shows how white text looks on a background with the CIELCh color 34, 14.873, 166.928.

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, 14.873, 166.928

Protanopia

34, 5.311, 89.457

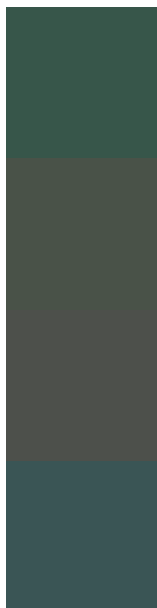
Deuteranopia

34, 5.388, 26.789



Tritanopia
34, 10.322, 223.597

Trichromacy



Original Color
34, 14.873, 166.928

Protanomaly
34, 7.427, 141.150

Deuteranomaly
34, 3.405, 132.272

Tritanomaly
34, 10.573, 197.967

Monochromacy



Original Color
34, 14.873, 166.928

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 6.061, 167.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 14.873, 166.928 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(55, 86, 74)` looks like.

```
.text, #text, p{  
    color:rgb(55, 86, 74)  
}
```

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(55, 86, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 86, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 14.873, 166.928 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(55, 86, 74) }
```

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

```
.border{ border-color:rgb(55, 86, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 86, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 86, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 86, 74);  
box-shadow:4px 4px 4px 4px rgb(55, 86, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 14.873, 166.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 86, 74) }
```

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

```
.background{ background-color: rgb(55, 86,  
74) }
```

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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