

Converting Colors

CIELCh(34, 15.819, 242.461)

Have a look what the booklet for
CIELCh(34, 15.819, 242.461)
contains.

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Color

CIELCh(34, 15.982, 243.647)

Conversions

Conversions Part 1

Format	Color
Hex	315466
RGB	49, 84, 102
RGB Percent	19%, 33%, 40%
CMY	0.8067, 0.6695, 0.5989
CMYK	0.52, 0.18, 0.00, 0.60
HSL	200°, 35%, 30%
HSV	200°, 52%, 40%
XYZ	6.8844, 8.0082, 13.8271
YIQ	75.5870, -26.6380, -1.8220

Conversions

Conversions Part 2

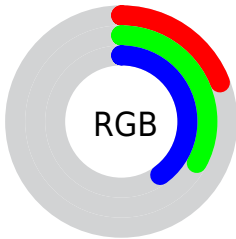
Format	Color
R_{YB}	49, 70, 102
Decimal	3232870
CIE _{Lab}	34.00, -7.09, -14.32
CIE _{LCh}	34, 15.982, 243.647
Yxy	8.0082, 0.2397, 0.2788
Android (android.graphics.Color)	4281422950 (0xFF315466)
YUV	75.5870, 13.0216, -23.3168
Hunter-Lab	28.2988, -6.0984, -9.1606

Details

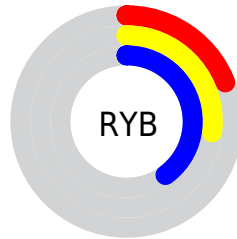
The CIELCh color $34, 15.982, 243.647$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $32, 21.319, 53.048$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $54, 15.895, 242.422$, and $14, 15.399, 246.120$ is the 20% darker color. If you saturate the color by 10%, you get $32, 18.439, 246.109$, and if you desaturate by 10%, it is $36, 13.286, 241.630$.

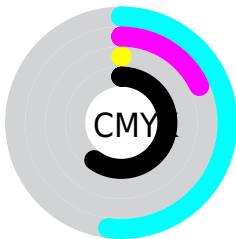
Distribution



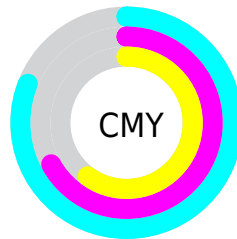
- Red (19%)
- Green (33%)
- Blue (40%)



- Red (19%)
- Yellow (27%)
- Blue (40%)



- Cyan (52%)
- Magenta (18%)
- Yellow (0%)
- Black (60%)





- Cyan (81%)
- Magenta (67%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 15.982, 243.647 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, 15.982, 243.647 by changing the saturation by 10% instead.


 34, 15.982,
243.647


 34, 15.982,
243.647

 100, 15.982,
243.647


 24, 15.982,
243.647

 54, 15.982,
243.647


 14, 15.982,
243.647

 64, 15.982,
243.647

 4, 15.982, 243.647

 74, 15.982,
243.647

 0, 15.982, 243.647

 84, 15.982,
243.647

 94, 15.982,
243.647

■ 34, 15.982,
243.647

■ 34, 15.982,
243.647

■ 32, 18.439,
246.109

■ 36, 13.286,
241.630

■ 31, 20.652,
249.088

■ 37, 10.373,
239.989

■ 29, 22.635,
252.636

■ 39, 7.272, 238.662

■ 28, 24.438,
256.749

■ 41, 4.014, 237.605

■ 43, 0.628, 237.114

■ 27, 25.945,
260.023

■ 45, 2.857, 55.810

■ 47, 6.417, 55.270

■ 49, 10.033, 54.794

■ 51, 13.687, 54.393

Harmonies

Complementary

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



34, 15.982, 243.647



32, 21.319, 53.048

Rectangle

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



34, 15.982, 243.647



34, 15.982, 293.647



34, 15.982, 63.647



34, 15.982, 113.647

Sweetspot

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



34, 15.981, 243.646



52, 6.672, 238.062



39, 30.302, 151.032



26, 4.456, 238.210



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



34, 15.981, 243.646



42, 22.734, 246.646



26, 28.948, 290.184



20, 1.913, 237.352



30, 28.357, 260.771



63, 50.970, 264.125

Inverse Universe

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



29, 30.584, 339.960



35, 43.985, 341.194



40, 26.649, 96.747



20, 3.331, 336.492



24, 50.393, 346.830



53, 86.397, 348.383

Previews

White Background



This preview shows how the CIELCh color 34, 15.982, 243.647 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, 15.982, 243.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

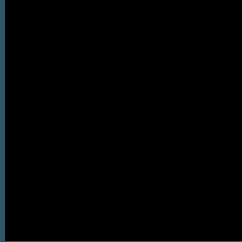
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 15.982, 243.647

Background



This preview shows how black text looks on a background with the CIELCh color 34, 15.982, 243.647.

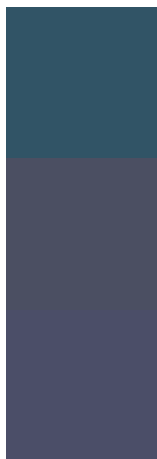


This preview shows how white text looks on a background with the CIELCh color 34, 15.982, 243.647.

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, 15.982, 243.647

Protanopia

34, 11.988, 284.767

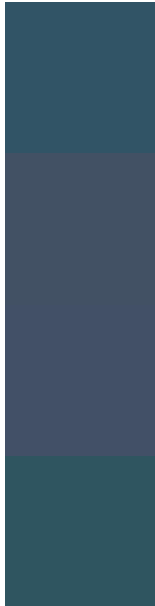
Deuteranopia

34, 16.340, 288.982



Tritanopia
34, 14.632, 215.260

Trichromacy



Original Color
34, 15.982, 243.647

Protanomaly
34, 12.959, 266.663

Deuteranomaly
34, 15.126, 272.840

Tritanomaly
34, 14.664, 226.195

Monochromacy



Original Color
34, 15.982, 243.647

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 6.724, 240.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 15.982, 243.647 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(49, 84, 102)` looks like.

```
.text, #text, p{  
    color:rgb(49, 84, 102)  
}
```

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(49, 84, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 84, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 15.982, 243.647 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(49, 84, 102) }
```

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

```
.border{ border-color:rgb(49, 84, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 84, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 84, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 84, 102);  
box-shadow:4px 4px 4px 4px rgb(49, 84,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 15.982, 243.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 84, 102) }
```

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

```
.background{ background-color: rgb(49, 84,  
102) }
```

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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