

Converting Colors

CIELCh(34, 21.664, 263.613)

Have a look what the booklet for
CIELCh(34, 21.664, 263.613)
contains.

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Color

CIELCh(34, 21.640, 263.482)

Conversions

Conversions Part 1

Format	Color
Hex	315372
RGB	49, 83, 114
RGB Percent	19%, 33%, 45%
CMY	0.8088, 0.6754, 0.5539
CMYK	0.57, 0.27, 0.00, 0.55
HSL	209°, 40%, 32%
HSV	209°, 57%, 45%
XYZ	7.3543, 8.0082, 17.0060
YIQ	76.3680, -30.2150, 2.4330

Conversions

Conversions Part 2

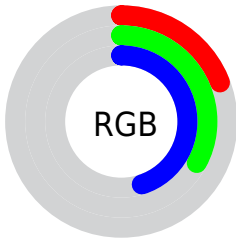
Format	Color
R_{YB}	49, 71, 114
Decimal	3232626
CIE _{Lab}	34.00, -2.46, -21.50
CIE _{LCh}	34, 21.640, 263.482
Yxy	8.0082, 0.2272, 0.2474
Android (android.graphics.Color)	4281422706 (0xFF315372)
YUV	76.3680, 18.5526, -24.0017
Hunter-Lab	28.2988, -3.1345, -15.8208




Details

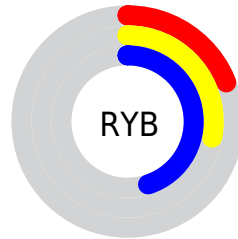
The CIELCh color $34, 21.640, 263.482$ is a dark color, and the websafe version is hex 336699 . A complement of this color would be $37, 25.997, 66.305$, and the grayscale version is $32, 0.005, 296.813$.




A 20% lighter version of the original color is $54, 21.785, 263.765$, and $14, 21.311, 268.963$ is the 20% darker color. If you saturate the color by 10%, you get $32, 25.128, 266.593$, and if you desaturate by 10%, it is $36, 18.059, 260.823$.

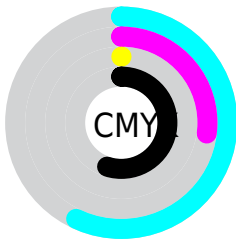
Distribution







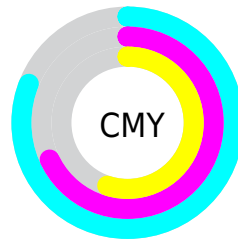
-  Red (19%)
-  Green (33%)
-  Blue (45%)






-  Red (19%)
-  Yellow (28%)
-  Blue (45%)



-  Cyan (57%)
-  Magenta (27%)
-  Yellow (0%)
-  Black (55%)



-  Cyan (81%)
-  Magenta (68%)
-  Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 21.640, 263.482 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, 21.640, 263.482 by changing the saturation by 10% instead.

 34, 21.640,
263.482

 34, 21.640,
263.482

 100, 21.640,
263.482

 24, 21.640,
263.482

 54, 21.640,
263.482


 14, 21.640,
263.482

 64, 21.640,
263.482

 4, 21.640, 263.482

 74, 21.640,
263.482

 0, 21.640, 263.482

 84, 21.640,
263.482

 94, 21.640,
263.482

■ 34, 21.640,
263.482

■ 34, 21.640,
263.482

■ 32, 25.128,
266.593

■ 36, 18.059,
260.823

■ 30, 28.550,
270.174

■ 39, 14.379,
258.572

■ 27, 31.953,
274.191

■ 41, 10.606,
256.676

■ 25, 35.424,
278.371

■ 44, 6.751, 255.084

■ 25, 36.454,
279.462

■ 46, 2.833, 253.778

■ 49, 1.133, 72.308

■ 51, 5.129, 71.496

■ 54, 9.143, 70.668

■ 56, 13.161, 69.940

Harmonies

Complementary

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



34, 21.640, 263.482



37, 25.997, 66.305

Rectangle

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



34, 21.640, 263.482



34, 21.640, 313.482



34, 21.640, 83.482



34, 21.640, 133.482

Sweetspot

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



34, 21.639, 263.482



56, 8.300, 255.128



43, 32.323, 156.100



28, 5.510, 255.341



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



34, 21.639, 263.482



41, 31.885, 267.847



24, 41.305, 297.189



22, 2.203, 253.994



26, 38.036, 279.753



55, 68.518, 282.589

Inverse Universe

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



30, 33.577, 348.233



36, 48.238, 350.514



46, 35.665, 103.510



22, 3.279, 343.059



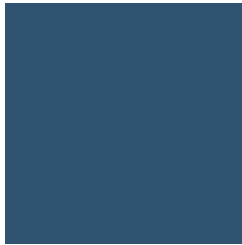
25, 48.933, 358.171



53, 83.036, 0.611

Previews

White Background



This preview shows how the CIELCh color 34, 21.640, 263.482 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, 21.640, 263.482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

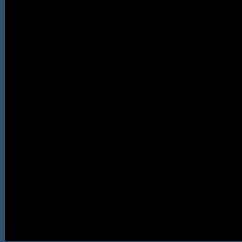
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

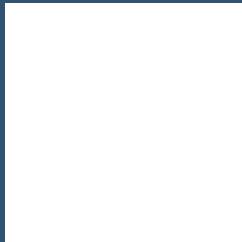
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 21.640, 263.482

Background



This preview shows how black text looks on a background with the CIELCh color 34, 21.640, 263.482.

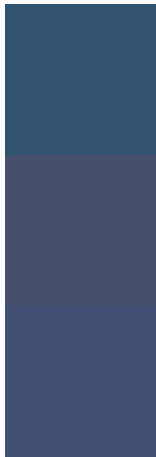


This preview shows how white text looks on a background with the CIELCh color 34, 21.640, 263.482.

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, 21.640, 263.482

Protanopia

34, 19.589, 283.997

Deuteranopia

34, 22.820, 282.741



Tritanopia
34, 16.152, 213.358

Trichromacy



Original Color
34, 21.640, 263.482

Protanomaly
34, 20.132, 275.567

Deuteranomaly
34, 22.616, 276.762

Tritanomaly
34, 16.523, 235.727

Monochromacy



Original Color
34, 21.640, 263.482

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 8.783, 259.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 21.640, 263.482 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, 83, 114)` looks like.

```
.text, #text, p{  
    color:rgb(49, 83, 114)  
}
```

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, 83, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 83, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 21.640, 263.482 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, 83, 114) }
```

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

```
.border{ border-color:rgb(49, 83, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 83, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 83, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 83, 114);  
box-shadow:4px 4px 4px 4px rgb(49, 83,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 21.640, 263.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 83, 114) }
```

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

```
.background{ background-color: rgb(49, 83,  
114) }
```

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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