

Converting Colors

CIELCh(34, 21.510, 265.684)

Have a look what the booklet for
CIELCh(34, 21.510, 265.684)
contains.

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Color

CIELCh(34, 21.860, 266.508)

Conversions

Conversions Part 1

Format	Color
Hex	335272
RGB	51, 82, 114
RGB Percent	20%, 32%, 45%
CMY	0.7988, 0.6774, 0.5518
CMYK	0.55, 0.28, 0.00, 0.55
HSL	210°, 38%, 32%
HSV	210°, 55%, 45%
XYZ	7.4714, 8.0082, 17.1577
YIQ	76.3790, -28.7480, 3.3800

Conversions

Conversions Part 2

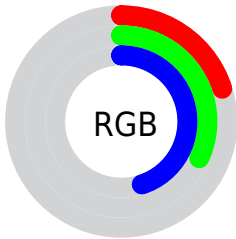
Format	Color
RYB	51, 72, 114
Decimal	3363442
CIELab	34.00, -1.33, -21.82
CIElCh	34, 21.860, 266.508
Yxy	8.0082, 0.2289, 0.2454
Android (android.graphics.Color)	4281553522 (0xFF335272)
YUV	76.3790, 18.5472, -22.2574
Hunter-Lab	28.2988, -2.3958, -16.1386




Details

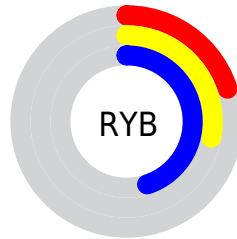
The CIELCh color **34, 21.860, 266.508** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **38, 25.244, 69.666**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **54, 21.932, 266.805**, and **14, 21.311, 268.963** is the 20% darker color. If you saturate the color by 10%, you get **32, 25.640, 269.515**, and if you desaturate by 10%, it is **36, 18.023, 263.928**.

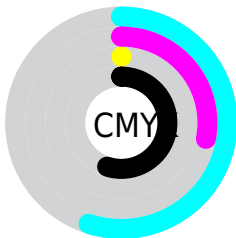
Distribution







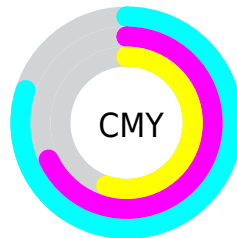
-  Red (20%)
-  Green (32%)
-  Blue (45%)






-  Red (20%)
-  Yellow (28%)
-  Blue (45%)



-  Cyan (55%)
-  Magenta (28%)
-  Yellow (0%)
-  Black (55%)



-  Cyan (80%)
-  Magenta (68%)
-  Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 21.860, 266.508 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, 21.860, 266.508 by changing the saturation by 10% instead.

 34, 21.860,
266.508


 34, 21.860,
266.508

 100, 21.860,
266.508

 24, 21.860,
266.508

 54, 21.860,
266.508


 14, 21.860,
266.508


 64, 21.860,
266.508

 4, 21.860, 266.508

 74, 21.860,
266.508

 0, 21.860, 266.508

 84, 21.860,
266.508

 94, 21.860,
266.508

■ 34, 21.860,
266.508

■ 34, 21.860,
266.508

■ 32, 25.640,
269.515

■ 36, 18.023,
263.928

■ 29, 29.388,
272.964

■ 39, 14.121,
261.733

■ 27, 33.147,
276.826

■ 42, 10.158,
259.875

■ 25, 36.979,
280.933

■ 44, 6.143, 258.307

■ 24, 38.919,
282.771

■ 47, 2.090, 257.035

■ 49, 1.988, 75.646

■ 52, 6.078, 74.734

■ 55, 10.168, 73.890

■ 57, 14.248, 73.146

Harmonies

Complementary

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



34, 21.860, 266.508



38, 25.244, 69.666

Rectangle

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



34, 21.860, 266.508



34, 21.860, 316.508



34, 21.860, 86.508



34, 21.860, 136.508

Sweetspot

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



34, 21.859, 266.508



56, 8.524, 258.646



43, 30.527, 158.043



28, 5.661, 258.864



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, 21.859, 266.508



41, 32.044, 270.357



25, 41.338, 297.965



22, 2.257, 257.481



25, 40.465, 283.025



52, 73.076, 285.743

Inverse Universe

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



31, 32.114, 349.902



37, 46.016, 352.055



47, 35.652, 105.245



22, 3.210, 344.762



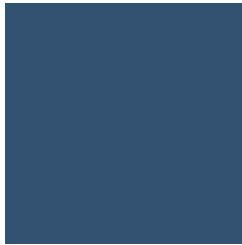
25, 48.579, 1.011



53, 82.626, 3.672

Previews

White Background



This preview shows how the CIELCh color 34, 21.860, 266.508 looks on a white background.

Color Contrast Check

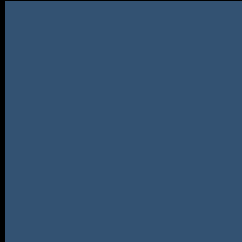
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.860, 266.508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

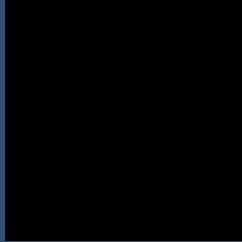
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

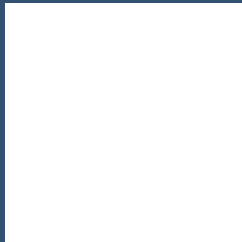
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 34, 21.860, 266.508

Background



This preview shows how black text looks on a background with the CIELCh color 34, 21.860, 266.508.

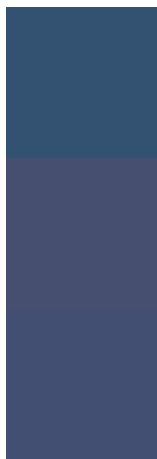


This preview shows how white text looks on a background with the CIELCh color 34, 21.860, 266.508.

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

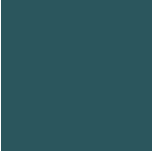
34, 21.860, 266.508

Protanopia

34, 20.200, 284.434

Deuteranopia

34, 22.820, 282.741



Tritanopia
34, 15.403, 214.262

Trichromacy



Original Color
34, 21.860, 266.508

Protanomaly
34, 20.639, 277.131

Deuteranomaly
34, 22.545, 277.501

Tritanomaly
34, 16.120, 236.886

Monochromacy



Original Color
34, 21.860, 266.508

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 8.585, 261.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 21.860, 266.508 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(51, 82, 114)` looks like.

```
.text, #text, p{  
    color:rgb(51, 82, 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(51, 82, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 82, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 21.860, 266.508 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(51, 82, 114) }
```

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

```
.border{ border-color:rgb(51, 82, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 82, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 82, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 82, 114);  
box-shadow:4px 4px 4px 4px rgb(51, 82,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 21.860, 266.508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 82, 114) }
```

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

```
.background{ background-color: rgb(51, 82,  
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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