

Converting Colors

CIELCh(34, 21.943, 285.652)

Have a look what the booklet for
CIELCh(34, 21.943, 285.652)
contains.

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Color

CIELCh(34, 21.423, 285.247)

Conversions

Conversions Part 1

Format	Color
Hex	464F71
RGB	70, 79, 113
RGB Percent	27%, 31%, 44%
CMY	0.7270, 0.6917, 0.5585
CMYK	0.38, 0.30, 0.00, 0.56
HSL	227°, 24%, 36%
HSV	227°, 38%, 44%
XYZ	8.2242, 8.0082, 16.6153
YIQ	80.1850, -16.2780, 8.6660

Conversions

Conversions Part 2

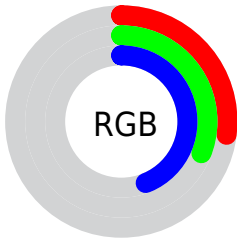
Format	Color
R_{YB}	70, 77, 113
Decimal	4607857
CIE _{Lab}	34.00, 5.63, -20.67
CIE _{LCh}	34, 21.423, 285.247
Yxy	8.0082, 0.2504, 0.2438
Android (android.graphics.Color)	4282797937 (0xFF464F71)
YUV	80.1850, 16.1778, -8.9322
Hunter-Lab	28.2988, 2.3530, -15.0023

Details

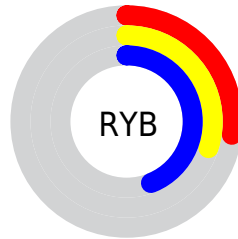
The CIELCh color **34, 21.423, 285.247** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **44, 20.553, 95.520**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 21.427, 285.337**, and **14, 21.443, 285.408** is the 20% darker color. If you saturate the color by 10%, you get **30, 27.445, 287.243**, and if you desaturate by 10%, it is **38, 15.585, 283.520**.

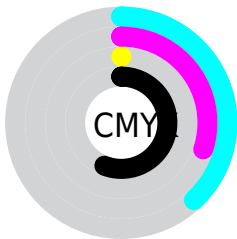
Distribution



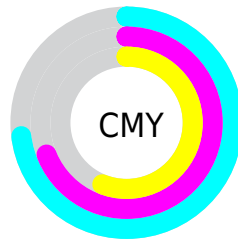
- Red (27%)
- Green (31%)
- Blue (44%)



- Red (27%)
- Yellow (30%)
- Blue (44%)



- Cyan (38%)
- Magenta (30%)
- Yellow (0%)
- Black (56%)





- Cyan (73%)
- Magenta (69%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 21.423, 285.247 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, 21.423, 285.247 by changing the saturation by 10% instead.


 34, 21.423,
285.247


 34, 21.423,
285.247

 100, 21.423,
285.247


 24, 21.423,
285.247

 54, 21.423,
285.247


 14, 21.423,
285.247

 64, 21.423,
285.247

 4, 21.423, 285.247

 74, 21.423,
285.247

 0, 21.423, 285.247

 84, 21.423,
285.247

 94, 21.423,
285.247

■ 34, 21.423,
285.247

■ 34, 21.423,
285.247

■ 30, 27.445,
287.243

■ 38, 15.585,
283.520

■ 27, 33.669,
289.527

■ 41, 9.917, 282.033

■ 45, 4.404, 280.761

■ 24, 40.097,
292.092

■ 48, 0.963, 99.513

■ 20, 46.691,
294.882

■ 52, 6.193, 98.641

■ 18, 53.317,
297.774

■ 55, 11.293, 97.805

■ 59, 16.268, 97.068

■ 15, 59.712,
300.440

■ 62, 21.123, 96.415

■ 15, 60.834,
300.854

■ 65, 25.863, 95.836

Harmonies

Complementary

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



34, 21.423, 285.247



44, 20.553, 95.520

Rectangle

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



34, 21.423, 285.247



34, 21.423, 335.247



34, 21.423, 105.247



34, 21.423, 155.247

Sweetspot

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



34, 21.422, 285.247



56, 7.334, 281.134



44, 17.258, 178.494



28, 4.972, 281.259



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, 21.422, 285.247



40, 32.259, 287.031



32, 27.632, 303.818



22, 3.024, 280.857



16, 64.015, 301.054



36, 114.946, 302.592

Inverse Universe

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



35, 19.930, 6.827



42, 29.965, 8.367



45, 25.599, 119.023



22, 2.751, 3.239



24, 51.884, 26.405



52, 91.092, 29.804

Previews

White Background



This preview shows how the CIELCh color 34, 21.423, 285.247 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, 21.423, 285.247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

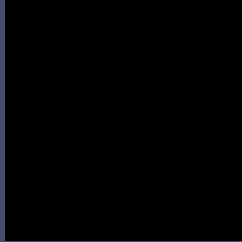
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 21.423, 285.247

Background



This preview shows how black text looks on a background with the CIELCh color 34, 21.423, 285.247.

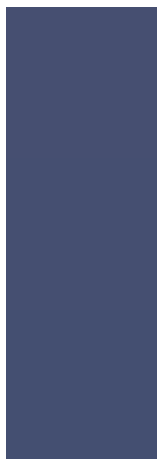


This preview shows how white text looks on a background with the CIELCh color 34, 21.423, 285.247.

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

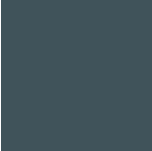
34, 21.423, 285.247

Protanopia

34, 21.464, 284.362

Deuteranopia

34, 21.510, 283.488



Tritanopia
34, 8.482, 229.896

Trichromacy



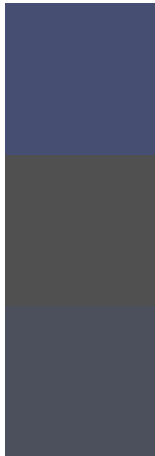
Original Color
34, 21.423, 285.247

Protanomaly
34, 21.464, 284.362

Deuteranomaly
34, 21.464, 284.362

Tritanomaly
34, 11.874, 263.590

Monochromacy



Original Color
34, 21.423, 285.247

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 8.227, 283.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 21.423, 285.247 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(70, 79, 113)` looks like.

```
.text, #text, p{  
    color:rgb(70, 79, 113)  
}
```

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(70, 79, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 79, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 21.423, 285.247 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(70, 79, 113) }
```

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

```
.border{ border-color:rgb(70, 79, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 79, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 79, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 79, 113);  
box-shadow:4px 4px 4px 4px rgb(70, 79,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 21.423, 285.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 79, 113) }
```

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

```
.background{ background-color: rgb(70, 79,  
113) }
```

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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