

Converting Colors

CIELCh(31, 21.173, 285.635)

Have a look what the booklet for
CIELCh(31, 21.173, 285.635)
contains.

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Color

CIELCh(31, 21.118, 285.264)

Conversions

Conversions Part 1

Format	Color
Hex	3F4869
RGB	63, 72, 105
RGB Percent	25%, 28%, 41%
CMY	0.7542, 0.7189, 0.5896
CMYK	0.40, 0.32, 0.00, 0.59
HSL	227°, 25%, 33%
HSV	227°, 40%, 41%
XYZ	6.8570, 6.6515, 14.1932
YIQ	73.0710, -15.9570, 8.3550

Conversions

Conversions Part 2

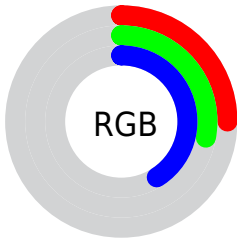
Format	Color
RYB	63, 70, 105
Decimal	4147305
CIELab	31.00, 5.56, -20.37
CIElCh	31, 21.118, 285.264
Yxy	6.6515, 0.2475, 0.2401
Android (android.graphics.Color)	4282337385 (0xFF3F4869)
YUV	73.0710, 15.7410, -8.8323
Hunter-Lab	25.7905, 2.3247, -14.5755

Details

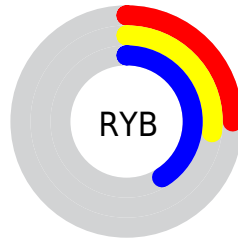
The CIELCh color **31, 21.118, 285.264** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **41, 20.245, 95.005**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 21.094, 285.248**, and **11, 21.266, 285.423** is the 20% darker color. If you saturate the color by 10%, you get **28, 26.776, 287.295**, and if you desaturate by 10%, it is **34, 15.630, 283.503**.

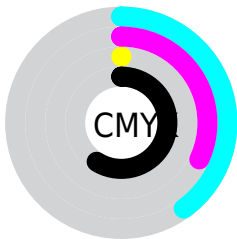
Distribution



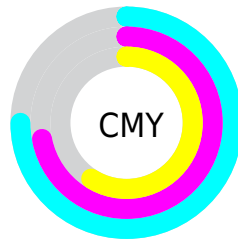
- Red (25%)
- Green (28%)
- Blue (41%)



- Red (25%)
- Yellow (27%)
- Blue (41%)



- Cyan (40%)
- Magenta (32%)
- Yellow (0%)
- Black (59%)



- Cyan (75%)
- Magenta (72%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 21.118, 285.264 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 31, 21.118, 285.264 by changing the saturation by 10% instead.

■ 31, 21.118,
285.264

■ 31, 21.118,
285.264

■ 100, 21.118,
285.264

■ 21, 21.118,
285.264

■ 51, 21.118,
285.264

■ 11, 21.118,
285.264

■ 61, 21.118,
285.264

■ 1, 21.118, 285.264

■ 71, 21.118,
285.264

■ 0, 21.118, 285.264

■ 81, 21.118,
285.264

■ 91, 21.118,
285.264

■ 31, 21.118,
285.264

■ 31, 21.118,
285.264

■ 28, 26.776,
287.295

■ 34, 15.630,
283.503

■ 24, 32.622,
289.611

■ 38, 10.301,
281.985

■ 21, 38.654,
292.202

■ 41, 5.116, 280.680

■ 18, 44.834,
295.006

■ 44, 0.065, 281.118

■ 16, 51.027,
297.896

■ 48, 4.859, 98.513

■ 13, 56.951,
300.406

■ 51, 9.662, 97.660

■ 54, 14.350, 96.905

■ 57, 18.926, 96.237

■ 60, 23.396, 95.644

Harmonies

Complementary

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



31, 21.118, 285.264



41, 20.245, 95.005

Rectangle

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



31, 21.118, 285.264



31, 21.118, 335.264



31, 21.118, 105.264



31, 21.118, 155.264

Sweetspot

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



31, 21.117, 285.264



51, 7.505, 280.951



41, 17.005, 178.326



26, 5.022, 281.059



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



31, 21.117, 285.264



37, 31.599, 287.121



29, 27.410, 303.956



21, 2.892, 280.546



15, 62.526, 300.798



36, 113.377, 302.414

Inverse Universe

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



32, 19.787, 6.710



38, 29.523, 8.322



42, 25.297, 118.935



21, 2.650, 2.858



23, 50.893, 25.869



51, 90.056, 29.394

Previews

White Background



This preview shows how the CIE LCh color 31, 21.118, 285.264 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 31, 21.118, 285.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

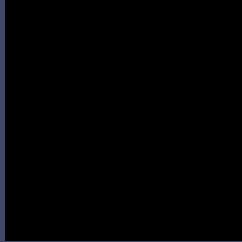
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 21.118, 285.264

Background



This preview shows how black text looks on a background with the CIELCh color 31, 21.118, 285.264.

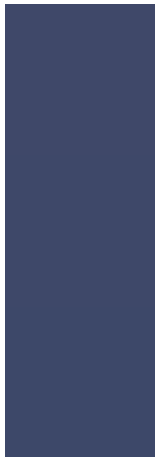


This preview shows how white text looks on a background with the CIELCh color 31, 21.118, 285.264.

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

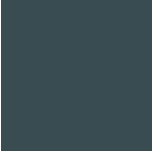
31, 21.118, 285.264

Protanopia

31, 21.160, 284.368

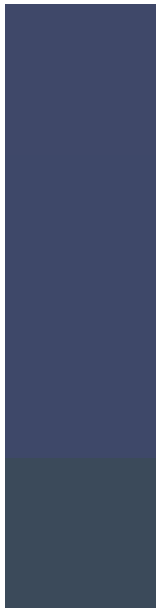
Deuteranopia

31, 21.206, 283.484



Tritanopia
31, 8.298, 226.041

Trichromacy



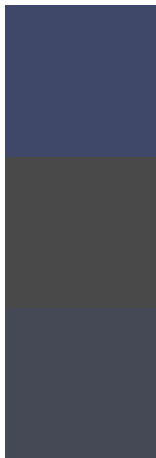
Original Color
31, 21.118, 285.264

Protanomaly
31, 21.160, 284.368

Deuteranomaly
31, 21.160, 284.368

Tritanomaly
31, 11.480, 262.255

Monochromacy



Original Color
31, 21.118, 285.264

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 7.773, 279.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 21.118, 285.264 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(63, 72, 105)` looks like.

```
.text, #text, p{  
    color:rgb(63, 72, 105)  
}
```

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(63, 72, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 72, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 21.118, 285.264 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(63, 72, 105) }
```

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

```
.border{ border-color:rgb(63, 72, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 72, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 72, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 72, 105);  
box-shadow:4px 4px 4px 4px rgb(63, 72,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 21.118, 285.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 72, 105) }
```

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

```
.background{ background-color: rgb(63, 72,  
105) }
```

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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