

Converting Colors

CIELCh(33, 31.630, 271.777)

Have a look what the booklet for
CIELCh(33, 31.630, 271.777)
contains.

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Color

CIELCh(33, 31.276, 271.397)

Conversions

Conversions Part 1

Format	Color
Hex	1F507F
RGB	31, 80, 127
RGB Percent	12%, 31%, 50%
CMY	0.8791, 0.6867, 0.5025
CMYK	0.76, 0.37, 0.00, 0.50
HSL	209°, 61%, 31%
HSV	209°, 76%, 50%
XYZ	7.2418, 7.5373, 21.1070
YIQ	70.7070, -44.2910, 4.2290

Conversions

Conversions Part 2

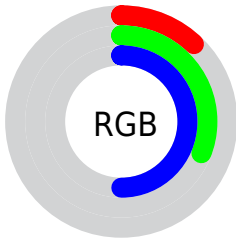
Format	Color
R_{YB}	31, 63, 127
Decimal	2052223
CIE Lab	33.00, 0.76, -31.27
CIE LCh	33, 31.276, 271.397
Yxy	7.5373, 0.2018, 0.2100
Android (android.graphics.Color)	4280242303 (0xFF1F507F)
YUV	70.7070, 27.7524, -34.8230
Hunter-Lab	27.4541, -0.9601, -26.3650

Details

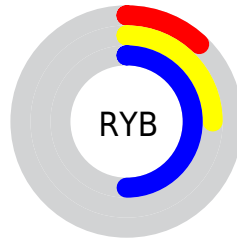
The CIELCh color **33, 31.276, 271.397** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **38, 38.910, 65.080**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 31.182, 271.221**, and **14, 29.424, 282.516** is the 20% darker color. If you saturate the color by 10%, you get **31, 35.147, 275.410**, and if you desaturate by 10%, it is **35, 27.397, 267.821**.

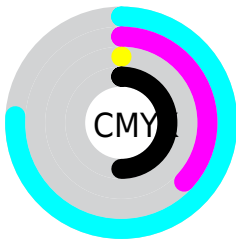
Distribution



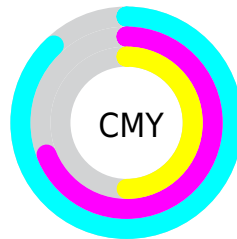
- Red (12%)
- Green (31%)
- Blue (50%)



- Red (12%)
- Yellow (25%)
- Blue (50%)



- Cyan (76%)
- Magenta (37%)
- Yellow (0%)
- Black (50%)



- Cyan (88%)
- Magenta (69%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 31.276, 271.397 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 33, 31.276, 271.397 by changing the saturation by 10% instead.

■ 33, 31.276,
271.397

■ 33, 31.276,
271.397

■ 100, 31.276,
271.397

■ 23, 31.276,
271.397

■ 53, 31.276,
271.397

■ 13, 31.276,
271.397

■ 63, 31.276,
271.397

■ 3, 31.276, 271.397

■ 73, 31.276,
271.397

■ 0, 31.276, 271.397

■ 83, 31.276,
271.397

■ 93, 31.276,
271.397

■ 33, 31.276,
271.397

■ 33, 31.276,
271.397

■ 31, 35.147,
275.410

■ 35, 27.397,
267.821

■ 28, 39.087,
279.688

■ 38, 23.461,
264.713

■ 28, 40.843,
281.393

■ 41, 19.440,
262.057

■ 43, 15.324,
259.808

■ 46, 11.118,
257.913

■ 49, 6.838, 256.323

■ 52, 2.499, 255.032

■ 54, 1.881, 73.623

Harmonies

Complementary

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



33, 31.276, 271.397



38, 38.910, 65.080

Rectangle

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



33, 31.276, 271.397



33, 31.276, 321.397



33, 31.276, 91.397



33, 31.276, 141.397

Sweetspot

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



33, 31.275, 271.398



60, 12.399, 257.547



47, 43.897, 153.853



30, 8.630, 258.080



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



33, 31.275, 271.398



39, 46.271, 278.631



20, 62.513, 301.937



25, 2.474, 255.429



28, 41.009, 281.418



0, 0.000, 0.000

Inverse Universe

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



30, 45.230, 352.571



36, 60.337, 357.382



51, 49.570, 102.910



25, 3.620, 343.747



27, 50.956, 359.571



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 33, 31.276, 271.397 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 33, 31.276, 271.397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

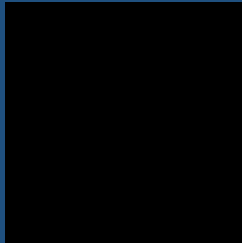
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 31.276, 271.397

Background



This preview shows how black text looks on a background with the CIELCh color 33, 31.276, 271.397.



This preview shows how white text looks on a background with the CIELCh color 33, 31.276, 271.397.

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

33, 31.276, 271.397

Protanopia

33, 29.806, 284.890

Deuteranopia

33, 31.581, 278.635



Tritanopia
33, 21.928, 208.419

Trichromacy



Original Color
33, 31.276, 271.397

Protanomaly
33, 30.262, 279.411

Deuteranomaly
33, 31.331, 275.337

Tritanomaly
33, 22.055, 234.805

Monochromacy



Original Color
33, 31.276, 271.397

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 12.498, 259.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 31.276, 271.397 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(31, 80, 127)` looks like.

```
.text, #text, p{  
    color:rgb(31, 80, 127)  
}
```

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(31, 80, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 80, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 31.276, 271.397 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(31, 80, 127) }
```

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

```
.border{ border-color:rgb(31, 80, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 80, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 80, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 80, 127);  
box-shadow:4px 4px 4px 4px rgb(31, 80,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 31.276, 271.397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 80, 127) }
```

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

```
.background{ background-color: rgb(31, 80,  
127) }
```

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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