

Converting Colors

CIELCh(31, 18.822, 268.805)

Have a look what the booklet for
CIELCh(31, 18.822, 268.805)
contains.

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Color

CIELCh(31, 18.505, 268.086)

Conversions

Conversions Part 1

Format	Color
Hex	344B66
RGB	52, 75, 102
RGB Percent	20%, 29%, 40%
CMY	0.7976, 0.7074, 0.6016
CMYK	0.49, 0.27, 0.00, 0.60
HSL	212°, 33%, 30%
HSV	212°, 49%, 40%
XYZ	6.2644, 6.6515, 13.4190
YIQ	71.2010, -22.3750, 3.5210

Conversions

Conversions Part 2

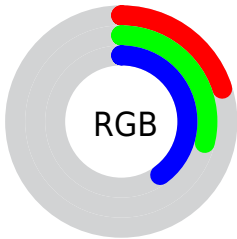
Format	Color
RYB	52, 68, 102
Decimal	3427174
CIELab	31.00, -0.62, -18.49
CIElCh	31, 18.505, 268.086
Yxy	6.6515, 0.2379, 0.2526
Android (android.graphics.Color)	4281617254 (0xFF344B66)
YUV	71.2010, 15.1839, -16.8393
Hunter-Lab	25.7905, -1.7768, -12.7958

Details

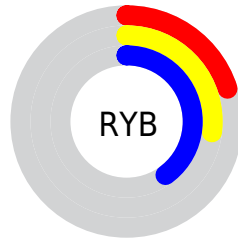
The CIELCh color **31, 18.505, 268.086** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **35, 20.438, 73.569**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 18.336, 266.845**, and **11, 18.766, 269.243** is the 20% darker color. If you saturate the color by 10%, you get **29, 22.192, 270.750**, and if you desaturate by 10%, it is **33, 14.792, 265.798**.

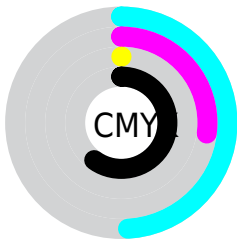
Distribution



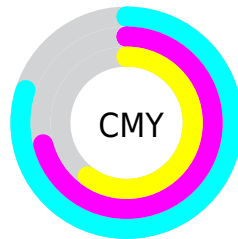
- Red (20%)
- Green (29%)
- Blue (40%)



- Red (20%)
- Yellow (27%)
- Blue (40%)



- Cyan (49%)
- Magenta (27%)
- Yellow (0%)
- Black (60%)



- Cyan (80%)
- Magenta (71%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 18.505, 268.086 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, 18.505, 268.086 by changing the saturation by 10% instead.

■ 31, 18.505,
268.086

■ 31, 18.505,
268.086

■ 100, 18.505,
268.086

■ 21, 18.505,
268.086

■ 51, 18.505,
268.086

■ 11, 18.505,
268.086

■ 61, 18.505,
268.086

■ 1, 18.505, 268.086

■ 71, 18.505,
268.086

■ 0, 18.505, 268.086

■ 81, 18.505,
268.086

■ 91, 18.505,
268.086

■ 31, 18.505,
268.086

■ 31, 18.505,
268.086

■ 29, 22.192,
270.750

■ 33, 14.792,
265.798

■ 26, 25.868,
273.818

■ 36, 11.050,
263.844

■ 24, 29.560,
277.285

■ 38, 7.282, 262.180

■ 22, 33.306,
281.100

■ 41, 3.497, 260.779

■ 43, 0.297, 78.796

■ 20, 37.185,
284.786

■ 46, 4.090, 78.376

■ 20, 37.502,
285.051

■ 48, 7.874, 77.476

■ 51, 11.641, 76.676

■ 53, 15.386, 75.968

Harmonies

Complementary

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



31, 18.505, 268.086



35, 20.438, 73.569

Rectangle

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



31, 18.505, 268.086



31, 18.505, 318.086



31, 18.505, 88.086



31, 18.505, 138.086

Sweetspot

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



31, 18.504, 268.086



51, 7.084, 261.622



39, 24.335, 160.676



25, 4.793, 261.835



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



31, 18.504, 268.086



38, 27.511, 271.189



24, 33.065, 297.587



20, 2.140, 260.744



23, 41.465, 285.727



49, 76.449, 288.495

Inverse Universe

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



29, 25.837, 350.908



35, 37.919, 352.725



42, 29.208, 107.336



19, 2.901, 346.506



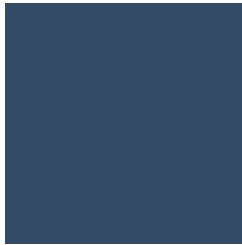
23, 46.900, 3.655



52, 81.206, 6.692

Previews

White Background



This preview shows how the CIELCh color 31, 18.505, 268.086 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 31, 18.505, 268.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

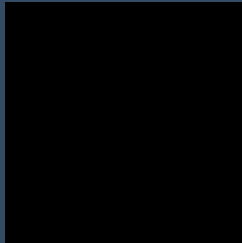
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

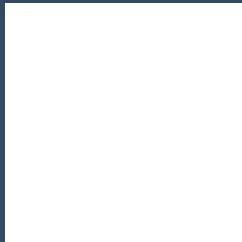
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 18.505, 268.086

Background



This preview shows how black text looks on a background with the CIELCh color 31, 18.505, 268.086.



This preview shows how white text looks on a background with the CIELCh color 31, 18.505, 268.086.

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

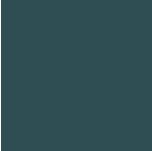
31, 18.505, 268.086

Protanopia

31, 17.305, 284.683

Deuteranopia

31, 19.306, 282.933



Tritanopia
31, 12.307, 216.068

Trichromacy



Original Color
31, 18.505, 268.086

Protanomaly
31, 17.624, 277.908

Deuteranomaly
31, 18.975, 277.367

Tritanomaly
31, 13.027, 238.028

Monochromacy



Original Color
31, 18.505, 268.086

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 7.083, 264.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 18.505, 268.086 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(52, 75, 102)` looks like.

```
.text, #text, p{  
    color:rgb(52, 75, 102)  
}
```

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(52, 75, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 75, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 18.505, 268.086 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(52, 75, 102) }
```

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

```
.border{ border-color:rgb(52, 75, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 75, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 75, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 75, 102);  
box-shadow:4px 4px 4px 4px rgb(52, 75,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 18.505, 268.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 75, 102) }
```

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

```
.background{ background-color: rgb(52, 75,  
102) }
```

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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