

Converting Colors

CIELCh(31, 13.430, 243.881)

Have a look what the booklet for
CIELCh(31, 13.430, 243.881)
contains.

CIELCh(31, 13.138, 241.392)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(31, 13.138, 241.392)

Conversions

Conversions Part 1

Format	Color
Hex	314D5B
RGB	49, 77, 91
RGB Percent	19%, 30%, 36%
CMY	0.8092, 0.6994, 0.6446
CMYK	0.46, 0.15, 0.00, 0.64
HSL	200°, 30%, 27%
HSV	200°, 46%, 36%
XYZ	5.7512, 6.6515, 10.7959
YIQ	70.2240, -21.1820, -1.5820

Conversions

Conversions Part 2

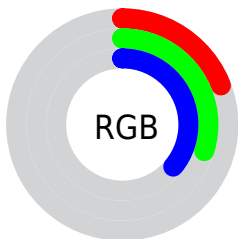
Format	Color
R _Y B	49, 66, 91
Decimal	3231067
CIE Lab	31.00, -6.29, -11.53
CIE LCh	31, 13.138, 241.392
Yxy	6.6515, 0.2479, 0.2867
Android (android.graphics.Color)	4281421147 (0xFF314D5B)
YUV	70.2240, 10.2426, -18.6134
Hunter-Lab	25.7905, -5.3283, -6.7655

Details

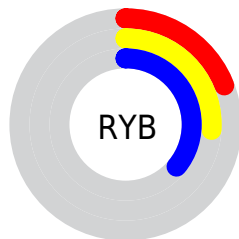
The CIELCh color **31, 13.138, 241.392** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 16.914, 52.672**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 12.991, 241.176**, and **11, 13.016, 240.427** is the 20% darker color. If you saturate the color by 10%, you get **30, 15.477, 243.497**, and if you desaturate by 10%, it is **33, 10.591, 239.671**.

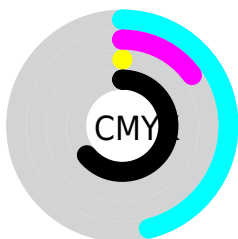
Distribution



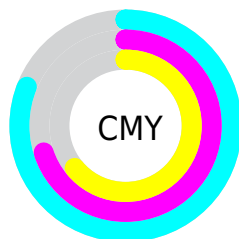
- Red (19%)
- Green (30%)
- Blue (36%)



- Red (19%)
- Yellow (26%)
- Blue (36%)



- Cyan (46%)
- Magenta (15%)
- Yellow (0%)
- Black (64%)





- Cyan (81%)
- Magenta (70%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 13.138, 241.392 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, 13.138, 241.392 by changing the saturation by 10% instead.


 31, 13.138,
241.392


 31, 13.138,
241.392

 100, 13.138,
241.392


 21, 13.138,
241.392

 51, 13.138,
241.392


 11, 13.138,
241.392


 61, 13.138,
241.392

 1, 13.138, 241.392

 71, 13.138,
241.392

 0, 13.138, 241.392

 81, 13.138,
241.392

 91, 13.138,
241.392

■ 31, 13.138,
241.392

■ 31, 13.138,
241.392

■ 30, 15.477,
243.497

■ 33, 10.591,
239.671

■ 28, 17.592,
246.062

■ 34, 7.862, 238.276

■ 36, 4.977, 237.153

■ 27, 19.484,
249.148

■ 37, 1.964, 236.306

■ 25, 21.174,
252.798

■ 39, 1.151, 55.166

■ 24, 22.779,
256.711

■ 41, 4.344, 54.719

■ 43, 7.597, 54.234

■ 24, 23.399,
258.027

■ 44, 10.893, 53.822

■ 46, 14.216, 53.477

Harmonies

Complementary

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



31, 13.138, 241.392



29, 16.914, 52.672

Rectangle

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



31, 13.138, 241.392



31, 13.138, 291.392



31, 13.138, 61.392



31, 13.138, 111.392

Sweetspot

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



31, 13.138, 241.390



46, 5.295, 236.969



35, 25.032, 151.105



23, 3.610, 237.104



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



31, 13.138, 241.390



38, 18.937, 243.834



24, 22.708, 288.045



18, 1.749, 236.483



29, 27.076, 259.356



62, 49.496, 262.927

Inverse Universe

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



26, 25.081, 339.063



32, 36.773, 340.125



35, 21.330, 96.401



17, 3.061, 336.189



23, 49.027, 346.215



52, 85.367, 347.812

Previews

White Background



This preview shows how the CIE LCh color 31, 13.138, 241.392 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, 13.138, 241.392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

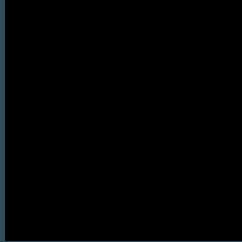
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 13.138, 241.392

Background



This preview shows how black text looks on a background with the CIELCh color 31, 13.138, 241.392.



This preview shows how white text looks on a background with the CIELCh color 31, 13.138, 241.392.

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, 13.138, 241.392

Protanopia

31, 9.613, 284.731

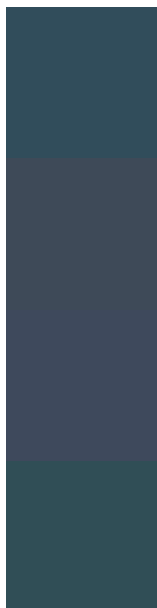
Deuteranopia

31, 13.401, 290.922



Tritanopia
31, 12.015, 216.564

Trichromacy



Original Color
31, 13.138, 241.392

Protanomaly
31, 9.916, 263.690

Deuteranomaly
31, 12.666, 273.111

Tritanomaly
31, 12.011, 223.270

Monochromacy



Original Color
31, 13.138, 241.392

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 5.547, 243.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 13.138, 241.392 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(49, 77, 91)` looks like.

```
.text, #text, p{  
    color:rgb(49, 77, 91)  
}
```

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(49, 77, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 77, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 13.138, 241.392 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(49, 77, 91) }
```

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

```
.border{ border-color:rgb(49, 77, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 77, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 77, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 77, 91);  
box-shadow:4px 4px 4px 4px rgb(49, 77, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 13.138, 241.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 77, 91) }
```

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

```
.background{ background-color: rgb(49, 77,  
91) }
```

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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