

Converting Colors

CIELCh(31, 14.351, 240.213)

Have a look what the booklet for
CIELCh(31, 14.351, 240.213)
contains.

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Color

CIELCh(31, 14.355, 240.309)

Conversions

Conversions Part 1

Format	Color
Hex	2D4D5C
RGB	45, 77, 92
RGB Percent	18%, 30%, 36%
CMY	0.8232, 0.6977, 0.6389
CMYK	0.51, 0.16, 0.00, 0.64
HSL	199°, 34%, 27%
HSV	199°, 51%, 36%
XYZ	5.6795, 6.6515, 11.1268
YIQ	69.1420, -23.8870, -2.1190

Conversions

Conversions Part 2

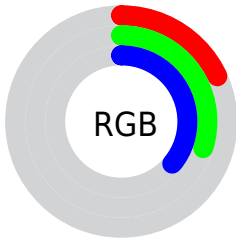
Format	Color
RYB	45, 64, 92
Decimal	2968924
CIELab	31.00, -7.11, -12.47
CIElCh	31, 14.355, 240.309
Yxy	6.6515, 0.2421, 0.2836
Android (android.graphics.Color)	4281159004 (0xFF2D4D5C)
YUV	69.1420, 11.2690, -21.1725
Hunter-Lab	25.7905, -5.8249, -7.5262

Details

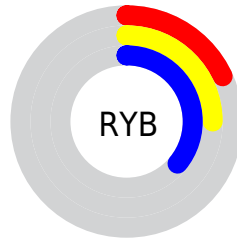
The CIELCh color **31, 14.355, 240.309** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **29, 19.262, 51.041**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 14.285, 239.577**, and **11, 13.545, 242.684** is the 20% darker color. If you saturate the color by 10%, you get **30, 16.566, 242.554**, and if you desaturate by 10%, it is **32, 11.910, 238.479**.

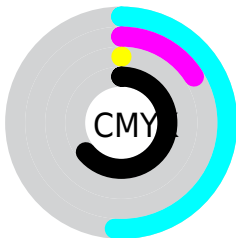
Distribution



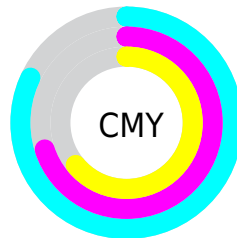
- Red (18%)
- Green (30%)
- Blue (36%)



- Red (18%)
- Yellow (25%)
- Blue (36%)



- Cyan (51%)
- Magenta (16%)
- Yellow (0%)
- Black (64%)





- Cyan (82%)
- Magenta (70%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 14.355, 240.309 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, 14.355, 240.309 by changing the saturation by 10% instead.


 31, 14.355,
240.309


 31, 14.355,
240.309

 100, 14.355,
240.309


 21, 14.355,
240.309

 51, 14.355,
240.309


 11, 14.355,
240.309


 61, 14.355,
240.309

 1, 14.355, 240.309

 71, 14.355,
240.309

 0, 14.355, 240.309

 81, 14.355,
240.309

 91, 14.355,
240.309

■ 31, 14.355,
240.309

■ 31, 14.355,
240.309

■ 30, 16.566,
242.554

■ 32, 11.910,
238.479

■ 28, 18.534,
245.289

■ 34, 9.257, 237.001

■ 36, 6.423, 235.812

■ 27, 20.264,
248.574

■ 37, 3.439, 234.878

■ 26, 21.795,
252.420

■ 39, 0.332, 234.859

■ 25, 23.190,
255.746

■ 41, 2.869, 53.273

■ 42, 6.144, 52.807

■ 44, 9.473, 52.401

■ 46, 12.840, 52.064

Harmonies

Complementary

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



31, 14.355, 240.309



29, 19.262, 51.041

Rectangle

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



31, 14.355, 240.309



31, 14.355, 290.309



31, 14.355, 60.309



31, 14.355, 110.309

Sweetspot

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



31, 14.355, 240.307



47, 5.754, 235.261



35, 27.788, 150.553



24, 3.946, 235.392



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



31, 14.355, 240.307



39, 20.422, 243.030



23, 25.542, 289.021



18, 1.747, 234.709



30, 26.485, 256.947



63, 48.262, 260.501

Inverse Universe

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



26, 28.062, 338.828



31, 40.558, 339.954



35, 23.753, 95.862



17, 3.092, 335.598



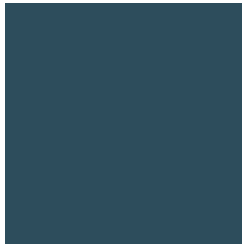
23, 49.432, 345.216



53, 86.077, 346.711

Previews

White Background



This preview shows how the CIELCh color 31, 14.355, 240.309 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, 14.355, 240.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

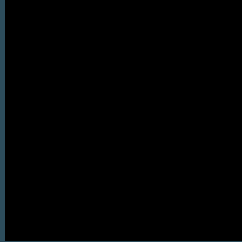
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 14.355, 240.309

Background



This preview shows how black text looks on a background with the CIELCh color 31, 14.355, 240.309.



This preview shows how white text looks on a background with the CIELCh color 31, 14.355, 240.309.

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, 14.355, 240.309

Protanopia

31, 10.875, 285.862

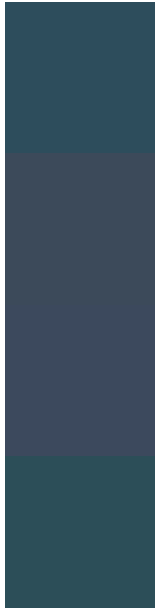
Deuteranopia

31, 14.045, 289.550



Tritanopia
31, 13.254, 217.580

Trichromacy



Original Color
31, 14.355, 240.309

Protanomaly
31, 11.322, 263.866

Deuteranomaly
31, 13.471, 271.310

Tritanomaly
31, 13.457, 226.388

Monochromacy



Original Color
31, 14.355, 240.309

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 5.797, 232.530

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 14.355, 240.309 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(45, 77, 92)` looks like.

```
.text, #text, p{  
    color:rgb(45, 77, 92)  
}
```

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(45, 77, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 77, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 14.355, 240.309 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(45, 77, 92) }
```

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

```
.border{ border-color:rgb(45, 77, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 77, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 77, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 77, 92);  
box-shadow:4px 4px 4px 4px rgb(45, 77, 92)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 14.355, 240.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 77, 92) }
```

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

```
.background{ background-color: rgb(45, 77,  
92) }
```

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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