

Converting Colors

CIELCh(31, 11.239, 226.439)

Have a look what the booklet for
CIELCh(31, 11.239, 226.439)
contains.

CIELCh(31, 11.162, 225.500)	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, 11.162, 225.500)

Conversions

Conversions Part 1

Format	Color
Hex	324D55
RGB	50, 77, 85
RGB Percent	20%, 30%, 33%
CMY	0.8037, 0.6978, 0.6664
CMYK	0.41, 0.09, 0.00, 0.67
HSL	194°, 26%, 26%
HSV	194°, 41%, 33%
XYZ	5.6175, 6.6515, 9.5935
YIQ	69.8390, -18.6600, -3.2360

Conversions

Conversions Part 2

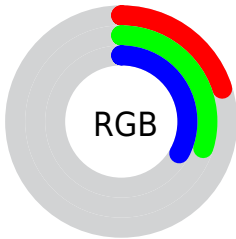
Format	Color
R _Y B	50, 65, 85
Decimal	3296597
CIE Lab	31.00, -7.82, -7.96
CIE LCh	31, 11.162, 225.500
Yxy	6.6515, 0.2569, 0.3042
Android (android.graphics.Color)	4281486677 (0xFF324D55)
YUV	69.8390, 7.4744, -17.3988
Hunter-Lab	25.7905, -6.2536, -4.0013

Details

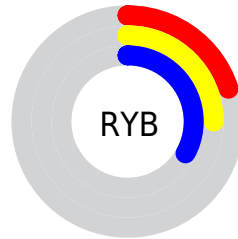
The CIELCh color **31, 11.162, 225.500** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **27, 14.519, 42.145**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 11.287, 226.358**, and **11, 11.100, 225.046** is the 20% darker color. If you saturate the color by 10%, you get **30, 13.329, 226.701**, and if you desaturate by 10%, it is **32, 8.744, 224.567**.

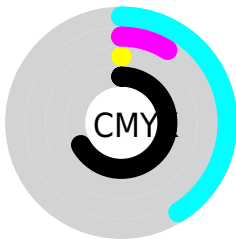
Distribution



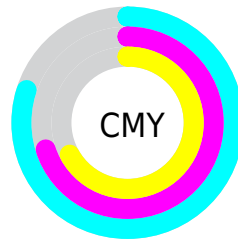
- Red (20%)
- Green (30%)
- Blue (33%)



- Red (20%)
- Yellow (25%)
- Blue (33%)



- Cyan (41%)
- Magenta (9%)
- Yellow (0%)
- Black (67%)





- Cyan (80%)
- Magenta (70%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 11.162, 225.500 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, 11.162, 225.500 by changing the saturation by 10% instead.


 31, 11.162,
225.500


 31, 11.162,
225.500

 100, 11.162,
225.500


 21, 11.162,
225.500

 51, 11.162,
225.500


 11, 11.162,
225.500


 61, 11.162,
225.500

 1, 11.162, 225.500

 71, 11.162,
225.500

 0, 11.162, 225.500

 81, 11.162,
225.500

 91, 11.162,
225.500

■ 31, 11.162,
225.500

■ 31, 11.162,
225.500

■ 30, 13.329,
226.701

■ 32, 8.744, 224.567

■ 29, 15.214,
228.238

■ 33, 6.113, 223.863

■ 28, 16.792,
230.175

■ 35, 3.303, 223.362

■ 27, 18.054,
232.582

■ 37, 2.719, 42.479

■ 26, 19.032,
235.483

■ 39, 5.874, 42.337

■ 25, 19.884,
237.981

■ 40, 9.096, 42.224

■ 42, 12.365, 42.158

■ 43, 15.665, 42.130

Harmonies

Complementary

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



31, 11.162, 225.500



27, 14.519, 42.145

Rectangle

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



31, 11.162, 225.500



31, 11.162, 275.500



31, 11.162, 45.500



31, 11.162, 95.500

Sweetspot

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



31, 11.162, 225.497



44, 4.371, 223.412



33, 22.877, 148.040



22, 2.918, 223.440



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



31, 11.162, 225.497



39, 15.784, 226.628



25, 16.733, 280.940



17, 1.693, 223.279



32, 23.452, 239.351



69, 42.185, 242.477

Inverse Universe

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



26, 22.791, 334.092



32, 33.087, 334.743



32, 16.472, 90.158



16, 3.143, 332.023



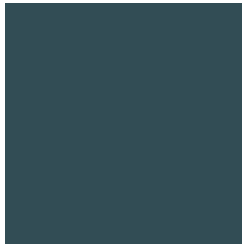
23, 51.600, 339.237



53, 90.763, 340.172

Previews

White Background



This preview shows how the CIELCh color 31, 11.162, 225.500 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, 11.162, 225.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

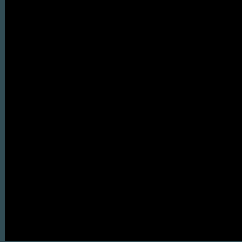
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

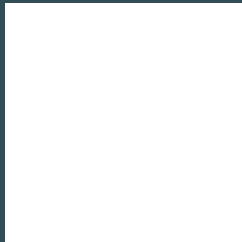
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 11.162, 225.500

Background



This preview shows how black text looks on a background with the CIELCh color 31, 11.162, 225.500.



This preview shows how white text looks on a background with the CIELCh color 31, 11.162, 225.500.

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, 11.162, 225.500

Protanopia

31, 6.385, 287.621

Deuteranopia

31, 9.628, 296.769



Tritanopia
31, 10.971, 222.256

Trichromacy



Original Color
31, 11.162, 225.500

Protanomaly
31, 7.129, 252.883

Deuteranomaly
31, 8.787, 270.449

Tritanomaly
31, 10.971, 222.256

Monochromacy



Original Color
31, 11.162, 225.500

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 4.359, 215.972

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 11.162, 225.500 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(50, 77, 85)` looks like.

```
.text, #text, p{  
    color:rgb(50, 77, 85)  
}
```

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(50, 77, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 77, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 11.162, 225.500 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(50, 77, 85) }
```

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

```
.border{ border-color:rgb(50, 77, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 77, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 77, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 77, 85);  
box-shadow:4px 4px 4px 4px rgb(50, 77, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 11.162, 225.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 77, 85) }
```

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

```
.background{ background-color: rgb(50, 77,  
85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor