

Converting Colors

CIELCh(31, 12.842, 170.469)

Have a look what the booklet for
CIELCh(31, 12.842, 170.469)
contains.

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Color

CIELCh(31, 12.681, 170.582)

Conversions

Conversions Part 1

Format	Color
Hex	334E45
RGB	51, 78, 69
RGB Percent	20%, 31%, 27%
CMY	0.7985, 0.6926, 0.7279
CMYK	0.34, 0.00, 0.11, 0.69
HSL	160°, 21%, 25%
HSV	160°, 34%, 31%
XYZ	5.2217, 6.6515, 6.7001
YIQ	68.9010, -13.2030, -8.5230

Conversions

Conversions Part 2

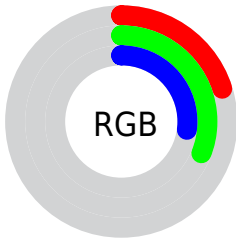
Format	Color
R_{YB}	51, 67, 78
Decimal	3362373
CIE _{Lab}	31.00, -12.51, 2.08
CIE _{LCh}	31, 12.681, 170.582
Y _{xy}	6.6515, 0.2811, 0.3581
Android (android.graphics.Color)	4281552453 (0xFF334E45)
YUV	68.9010, 0.0488, -15.6992
Hunter-Lab	25.7905, -8.9933, 2.6504

Details

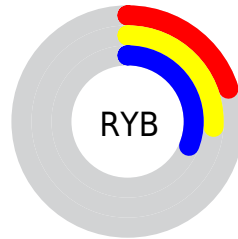
The CIELCh color **31, 12.681, 170.582** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 13.755, 357.097**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 12.770, 170.851**, and **11, 13.057, 169.546** is the 20% darker color. If you saturate the color by 10%, you get **30, 16.081, 169.501**, and if you desaturate by 10%, it is **32, 9.116, 171.574**.

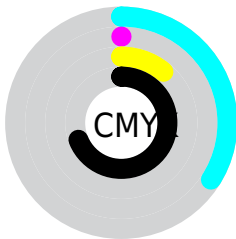
Distribution



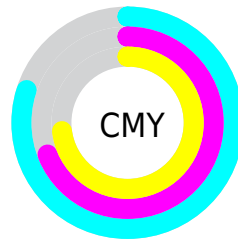
- Red (20%)
- Green (31%)
- Blue (27%)



- Red (20%)
- Yellow (26%)
- Blue (31%)



- Cyan (34%)
- Magenta (0%)
- Yellow (11%)
- Black (69%)





- Cyan (80%)
- Magenta (69%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 12.681, 170.582 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, 12.681, 170.582 by changing the saturation by 10% instead.


 31, 12.681,
170.582


 31, 12.681,
170.582

 100, 12.681,
170.582


 21, 12.681,
170.582

 51, 12.681,
170.582


 11, 12.681,
170.582


 61, 12.681,
170.582

 1, 12.681, 170.582

 71, 12.681,
170.582

 0, 12.681, 170.582

 81, 12.681,
170.582

 91, 12.681,
170.582

■ 31, 12.681,
170.582

■ 31, 12.681,
170.582

■ 30, 16.081,
169.501

■ 32, 9.116, 171.574

■ 32, 5.435, 172.505

■ 30, 19.264,
168.320

■ 33, 1.684, 173.454

■ 30, 22.179,
167.018

■ 34, 2.098, 353.997

■ 29, 24.784,
165.576

■ 35, 5.880, 354.824

■ 36, 9.636, 355.554

■ 29, 27.052,
163.978

■ 37, 13.346,
356.242

■ 29, 29.078,
162.324

■ 38, 16.997,
356.896

■ 29, 30.213,
161.507

■ 39, 20.578,
357.522

Harmonies

Complementary

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



31, 12.681, 170.582



25, 13.755, 357.097

Rectangle

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



31, 12.681, 170.582



31, 12.681, 220.582



31, 12.681, 350.582



31, 12.681, 40.582

Sweetspot

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



31, 12.682, 170.580



42, 4.683, 172.878



31, 18.778, 132.680



21, 3.154, 172.811



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



31, 12.682, 170.580



40, 18.507, 169.722



30, 9.300, 214.472



15, 2.061, 173.038



38, 36.753, 160.647



81, 68.408, 158.953

Inverse Universe

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



25, 13.755, 357.097



31, 20.469, 358.175



26, 11.614, 34.413



14, 2.104, 354.333



20, 43.574, 14.601



49, 80.100, 18.889

Previews

White Background



This preview shows how the CIELCh color 31, 12.681, 170.582 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 31, 12.681, 170.582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

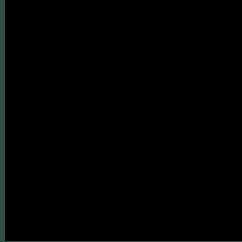
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 12.681, 170.582

Background



This preview shows how black text looks on a background with the CIELCh color 31, 12.681, 170.582.



This preview shows how white text looks on a background with the CIELCh color 31, 12.681, 170.582.

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

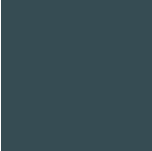
31, 12.681, 170.582

Protanopia

31, 4.217, 83.883

Deuteranopia

31, 4.528, 12.054



Tritanopia
31, 9.468, 226.640

Trichromacy



Original Color
31, 12.681, 170.582

Protanomaly
31, 5.455, 143.970

Deuteranomaly
31, 2.333, 144.289

Tritanomaly
31, 9.538, 201.895

Monochromacy



Original Color
31, 12.681, 170.582

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 4.382, 172.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 12.681, 170.582 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(51, 78, 69)` looks like.

```
.text, #text, p{  
    color:rgb(51, 78, 69)  
}
```

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(51, 78, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 78, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 12.681, 170.582 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(51, 78, 69) }
```

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

```
.border{ border-color:rgb(51, 78, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 78, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 78, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 78, 69);  
box-shadow:4px 4px 4px 4px rgb(51, 78, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 12.681, 170.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 78, 69) }
```

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

```
.background{ background-color: rgb(51, 78,  
69) }
```

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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