

Converting Colors

CIELCh(31, 25.157, 157.841)

Have a look what the booklet for
CIELCh(31, 25.157, 157.841)
contains.

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Color

CIELCh(31, 25.276, 157.221)

Conversions

Conversions Part 1

Format	Color
Hex	215239
RGB	33, 82, 57
RGB Percent	13%, 32%, 22%
CMY	0.8706, 0.6785, 0.7765
CMYK	0.60, 0.00, 0.30, 0.68
HSL	149°, 43%, 23%
HSV	149°, 60%, 32%
XYZ	4.3816, 6.6515, 4.9226
YIQ	64.4990, -21.1790, -18.1630

Conversions

Conversions Part 2

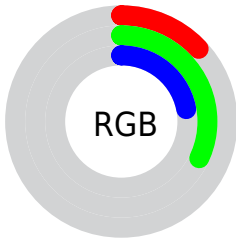
Format	Color
R_{YB}	33, 66, 82
Decimal	2183737
CIE _{Lab}	31.00, -23.30, 9.79
CIE _{LCh}	31, 25.276, 157.221
Yxy	6.6515, 0.2746, 0.4169
Android (android.graphics.Color)	4280373817 (0xFF215239)
YUV	64.4990, -3.6970, -27.6246
Hunter-Lab	25.7905, -14.8075, 6.7368

Details

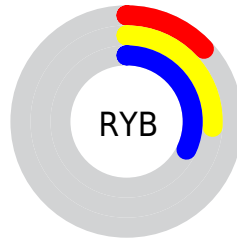
The CIELCh color **31, 25.276, 157.221** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **21, 26.609, 349.075**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 25.431, 157.149**, and **12, 22.709, 151.119** is the 20% darker color. If you saturate the color by 10%, you get **31, 28.849, 155.789**, and if you desaturate by 10%, it is **31, 21.416, 158.496**.

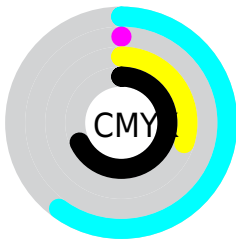
Distribution



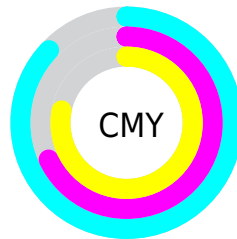
- Red (13%)
- Green (32%)
- Blue (22%)



- Red (13%)
- Yellow (26%)
- Blue (32%)



- Cyan (60%)
- Magenta (0%)
- Yellow (30%)
- Black (68%)





- Cyan (87%)
- Magenta (68%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 25.276, 157.221 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, 25.276, 157.221 by changing the saturation by 10% instead.


 31, 25.276,
157.221


 31, 25.276,
157.221

 100, 25.276,
157.221


 21, 25.276,
157.221

 51, 25.276,
157.221


 11, 25.276,
157.221


 61, 25.276,
157.221

 1, 25.276, 157.221

 71, 25.276,
157.221

 0, 25.276, 157.221

 81, 25.276,
157.221

 91, 25.276,
157.221

■ 31, 25.276,
157.221

■ 31, 25.276,
157.221

■ 31, 28.849,
155.789

■ 31, 21.416,
158.496

■ 30, 32.085,
154.187

■ 32, 17.327,
159.633

■ 30, 34.961,
152.417

■ 33, 13.074,
160.652

■ 30, 37.724,
150.805

■ 33, 8.716, 161.572

■ 30, 37.789,
150.771

■ 34, 4.307, 162.421

■ 35, 0.107, 341.145

■ 36, 4.490, 343.762

■ 37, 8.812, 344.420

■ 38, 13.054,
345.016

Harmonies

Complementary

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



31, 25.276, 157.221



21, 26.609, 349.075

Rectangle

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



31, 25.276, 157.221



31, 25.276, 207.221



31, 25.276, 337.221



31, 25.276, 27.221

Sweetspot

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



31, 25.276, 157.221



43, 9.900, 161.670



32, 31.565, 126.002



21, 6.797, 161.514



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 25.276, 157.221



40, 36.661, 155.044



32, 17.188, 195.263



16, 2.455, 162.509



38, 45.471, 149.963



81, 84.420, 148.276

Inverse Universe

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



21, 26.609, 349.075



25, 38.287, 351.544



20, 25.368, 24.937



15, 2.481, 343.704



21, 44.338, 358.683



50, 78.952, 1.711

Previews

White Background



This preview shows how the CIE LCh color 31, 25.276, 157.221 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, 25.276, 157.221 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, 25.276, 157.221

Background



This preview shows how black text looks on a background with the CIELCh color 31, 25.276, 157.221.



This preview shows how white text looks on a background with the CIELCh color 31, 25.276, 157.221.

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](#).

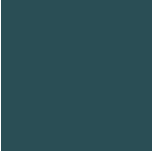
Dichromacy



Original Color
31, 25.276, 157.221

Protanopia
31, 12.851, 97.023

Deuteranopia
31, 9.244, 63.121



Tritanopia
31, 13.524, 217.135

Trichromacy



Original Color
31, 25.276, 157.221

Protanomaly
31, 15.327, 132.504

Deuteranomaly
30, 10.392, 131.694

Tritanomaly
31, 15.367, 187.537

Monochromacy



Original Color
31, 25.276, 157.221

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 10.255, 158.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 25.276, 157.221 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(33, 82, 57)` looks like.

```
.text, #text, p{  
    color:rgb(33, 82, 57)  
}
```

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(33, 82, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 82, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 25.276, 157.221 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(33, 82, 57) }
```

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

```
.border{ border-color:rgb(33, 82, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 82, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 82, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 82, 57);  
box-shadow:4px 4px 4px 4px rgb(33, 82, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 25.276, 157.221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 82, 57) }
```

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

```
.background{ background-color: rgb(33, 82,  
57) }
```

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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