

Converting Colors

CIELCh(31, 25.987, 157.496)

Have a look what the booklet for
CIELCh(31, 25.987, 157.496)
contains.

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Color

CIELCh(31, 25.717, 157.913)

Conversions

Conversions Part 1

Format	Color
Hex	1F5239
RGB	31, 82, 57
RGB Percent	12%, 32%, 22%
CMY	0.8777, 0.6778, 0.7758
CMYK	0.62, 0.00, 0.30, 0.68
HSL	151°, 45%, 22%
HSV	151°, 62%, 32%
XYZ	4.3432, 6.6515, 4.9467
YIQ	63.9010, -22.3710, -18.5870

Conversions

Conversions Part 2

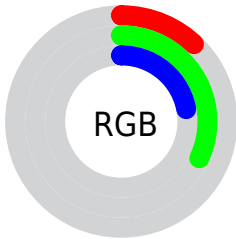
Format	Color
R_{YB}	31, 65, 82
Decimal	2052665
CIE Lab	31.00, -23.83, 9.67
CIE LCh	31, 25.717, 157.913
Yxy	6.6515, 0.2724, 0.4172
Android (android.graphics.Color)	4280242745 (0xFF1F5239)
YUV	63.9010, -3.4022, -28.8542
Hunter-Lab	25.7905, -15.0732, 6.6813




Details

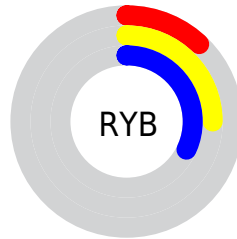
The CIELCh color **31, 25.717, 157.913** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **20, 27.282, 350.674**, and the grayscale version is **27, 0.004, 296.813**.




A 20% lighter version of the original color is **51, 25.691, 157.587**, and **12, 22.709, 151.119** is the 20% darker color. If you saturate the color by 10%, you get **31, 29.143, 156.439**, and if you desaturate by 10%, it is **31, 21.991, 159.227**.

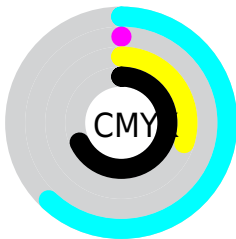
Distribution







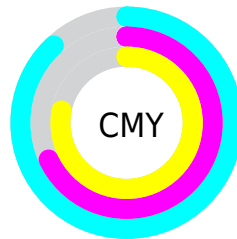
-  Red (12%)
-  Green (32%)
-  Blue (22%)






-  Red (12%)
-  Yellow (25%)
-  Blue (32%)



-  Cyan (62%)
-  Magenta (0%)
-  Yellow (30%)
-  Black (68%)





-  Cyan (88%)
-  Magenta (68%)
-  Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 25.717, 157.913 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, 25.717, 157.913 by changing the saturation by 10% instead.


 31, 25.717,
157.913


 31, 25.717,
157.913

 100, 25.717,
157.913


 21, 25.717,
157.913

 51, 25.717,
157.913


 11, 25.717,
157.913


 61, 25.717,
157.913

 1, 25.717, 157.913

 71, 25.717,
157.913

 0, 25.717, 157.913

 81, 25.717,
157.913

 91, 25.717,
157.913

■ 31, 25.717,
157.913

■ 31, 25.717,
157.913

■ 31, 29.143,
156.439

■ 31, 21.991,
159.227

■ 30, 32.223,
154.794

■ 32, 18.021,
160.400

■ 30, 34.970,
153.015

■ 33, 13.868,
161.452

■ 30, 37.115,
151.756

■ 33, 9.593, 162.402

■ 34, 5.252, 163.274

■ 35, 0.890, 164.253

■ 36, 3.452, 344.662

■ 37, 7.744, 345.356

■ 38, 11.964,
345.979

Harmonies

Complementary

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



31, 25.717, 157.913



20, 27.282, 350.674

Rectangle

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



31, 25.717, 157.913



31, 25.717, 207.913



31, 25.717, 337.913



31, 25.717, 27.913

Sweetspot

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



31, 25.717, 157.913



43, 10.295, 162.615



32, 32.861, 126.530



21, 6.999, 162.466



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, 25.717, 157.913



40, 36.780, 155.713



32, 17.538, 196.977



16, 2.420, 163.557



38, 44.575, 150.954



81, 82.720, 149.261

Inverse Universe

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



20, 27.282, 350.674



25, 38.701, 353.328



20, 26.688, 26.612



15, 2.448, 344.772



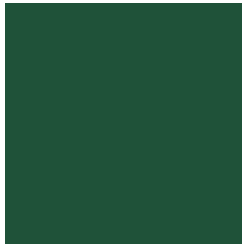
21, 44.140, 0.422



50, 78.738, 3.613

Previews

White Background



This preview shows how the CIELCh color 31, 25.717, 157.913 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, 25.717, 157.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

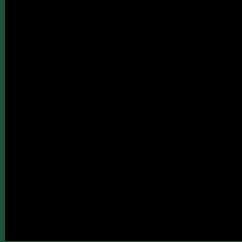
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 25.717, 157.913

Background



This preview shows how black text looks on a background with the CIELCh color 31, 25.717, 157.913.



This preview shows how white text looks on a background with the CIELCh color 31, 25.717, 157.913.

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](#).

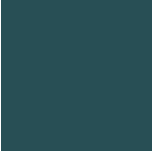
Dichromacy



Original Color
31, 25.717, 157.913

Protanopia
31, 12.851, 97.023

Deuteranopia
31, 9.244, 63.121



Tritanopia
31, 14.249, 213.248

Trichromacy



Original Color
31, 25.717, 157.913

Protanomaly
30, 14.971, 135.015

Deuteranomaly
30, 10.392, 131.694

Tritanomaly
31, 16.429, 185.769

Monochromacy



Original Color
31, 25.717, 157.913

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 10.161, 162.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 25.717, 157.913 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(31, 82, 57)` looks like.

```
.text, #text, p{  
    color:rgb(31, 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(31, 82, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 82, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 25.717, 157.913 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(31, 82, 57) }
```

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

```
.border{ border-color:rgb(31, 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(31, 82, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 82, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 82, 57);  
box-shadow:4px 4px 4px 4px rgb(31, 82, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 25.717, 157.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 82, 57) }
```

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

```
.background{ background-color: rgb(31, 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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