

Converting Colors

CIELCh(31, 21.220, 205.752)

Have a look what the booklet for
CIELCh(31, 21.220, 205.752)
contains.

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Color

CIELCh(31, 21.337, 205.266)

Conversions

Conversions Part 1

Format	Color
Hex	005257
RGB	0, 82, 87
RGB Percent	0%, 32%, 34%
CMY	1.0000, 0.6800, 0.6604
CMYK	1.00, 0.06, 0.00, 0.66
HSL	183°, 100%, 17%
HSV	183°, 100%, 34%
XYZ	4.6822, 6.6515, 9.9689
YIQ	58.0520, -50.4770, -15.8290

Conversions

Conversions Part 2

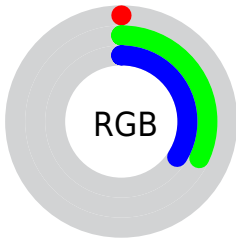
Format	Color
RYB	0, 42, 87
Decimal	21079
CIELab	31.00, -19.30, -9.11
CIELCh	31, 21.337, 205.266
Yxy	6.6515, 0.2198, 0.3122
Android (android.graphics.Color)	4278211159 (0xFF005257)
YUV	58.0520, 14.2714, -50.9116
Hunter-Lab	25.7905, -12.7273, -4.8641

Details

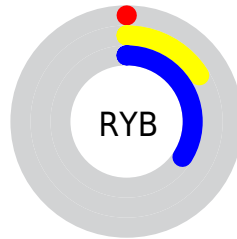
The CIELCh color **31, 21.337, 205.266** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **16, 42.825, 35.493**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 21.307, 205.289**, and **13, 12.761, 213.396** is the 20% darker color. If you saturate the color by 10%, you get **31, 21.265, 205.304**, and if you desaturate by 10%, it is **31, 20.554, 204.774**.

Distribution



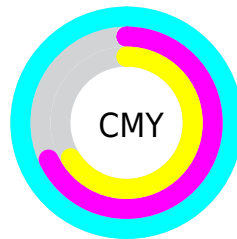
- Red (0%)
- Green (32%)
- Blue (34%)



- Red (0%)
- Yellow (16%)
- Blue (34%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (66%)





- Cyan (100%)
- Magenta (68%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 21.337, 205.266 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, 21.337, 205.266 by changing the saturation by 10% instead.


 31, 21.337,
205.266


 31, 21.337,
205.266

 100, 21.337,
205.266


 21, 21.337,
205.266

 51, 21.337,
205.266


 11, 21.337,
205.266


 61, 21.337,
205.266

 1, 21.337, 205.266

 71, 21.337,
205.266

 0, 21.337, 205.266

 81, 21.337,
205.266

 91, 21.337,
205.266

■ 31, 21.337,
205.266

■ 31, 21.337,
205.266

■ 31, 21.265,
205.304

■ 31, 20.554,
204.774

■ 32, 19.717,
204.268

■ 32, 18.472,
203.915

■ 33, 16.815,
203.704

■ 33, 14.763,
203.618

■ 34, 12.352,
203.644

■ 34, 9.622, 203.766

■ 35, 6.622, 203.975

Harmonies

Complementary

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



31, 21.337, 205.266



16, 42.825, 35.493

Rectangle

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



31, 21.337, 205.266



31, 21.337, 255.266



31, 21.337, 25.266



31, 21.337, 75.266

Sweetspot

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



31, 21.265, 205.304



44, 11.873, 203.750



31, 53.286, 136.975



22, 7.941, 203.714



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, 21.265, 205.304



40, 25.440, 205.621



16, 33.500, 284.969



17, 1.910, 204.327



38, 24.623, 205.568



81, 43.587, 206.239

Inverse Universe

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



18, 50.463, 330.479



25, 60.411, 330.557



24, 36.639, 67.109



16, 3.543, 326.454



24, 58.463, 330.544



55, 103.627, 330.710

Previews

White Background



This preview shows how the CIELCh color 31, 21.337, 205.266 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, 21.337, 205.266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

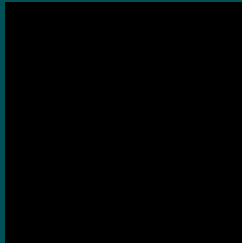
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 21.337, 205.266

Background



This preview shows how black text looks on a background with the CIELCh color 31, 21.337, 205.266.



This preview shows how white text looks on a background with the CIELCh color 31, 21.337, 205.266.

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, 21.337, 205.266

Protanopia

31, 5.103, 286.403

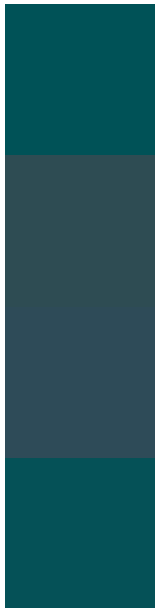
Deuteranopia

31, 10.846, 294.238



Tritanopia
31, 20.265, 209.640

Trichromacy



Original Color
31, 21.337, 205.266

Protanomaly
30, 11.853, 220.293

Deuteranomaly
30, 13.038, 238.193

Tritanomaly
31, 20.595, 207.524

Monochromacy



Original Color
31, 21.337, 205.266

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 11.614, 200.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 21.337, 205.266 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(0, 82, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 82, 87)  
}
```

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(0, 82, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 82, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 21.337, 205.266 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(0, 82, 87) }
```

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

```
.border{ border-color:rgb(0, 82, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 82, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 82, 87); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 82, 87); box-shadow:4px  
4px 4px 4px rgb(0, 82, 87) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 21.337, 205.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 82, 87) }
```

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

```
.background{ background-color: rgb(0, 82,  
87) }
```

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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