

Converting Colors

CIELCh(31, 21.396, 160.024)

Have a look what the booklet for
CIELCh(31, 21.396, 160.024)
contains.

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Color

CIELCh(31, 21.396, 160.024)

Conversions

Conversions Part 1

Format	Color
Hex	27513D
RGB	39, 81, 61
RGB Percent	15%, 32%, 24%
CMY	0.8471, 0.6824, 0.7608
CMYK	0.52, 0.00, 0.25, 0.68
HSL	151°, 35%, 24%
HSV	151°, 52%, 32%
XYZ	4.6202, 6.6515, 5.4540
YIQ	66.1620, -18.6120, -15.1240

Conversions

Conversions Part 2

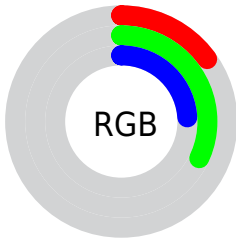
Format	Color
RYB	39, 67, 81
Decimal	2576701
CIELab	31.00, -20.11, 7.31
CIELCh	31, 21.396, 160.024
Yxy	6.6515, 0.2762, 0.3977
Android (android.graphics.Color)	4280766781 (0xFF27513D)
YUV	66.1620, -2.5449, -23.8211
Hunter-Lab	25.7905, -13.1566, 5.5151

Details

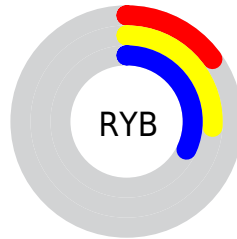
The CIELCh color **31, 21.396, 160.024** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **22, 22.732, 350.069**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 21.834, 159.442**, and **11, 19.762, 157.117** is the 20% darker color. If you saturate the color by 10%, you get **31, 25.029, 158.714**, and if you desaturate by 10%, it is **32, 17.524, 161.194**.

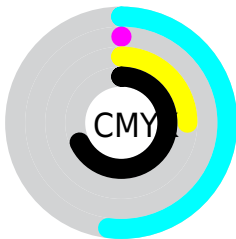
Distribution



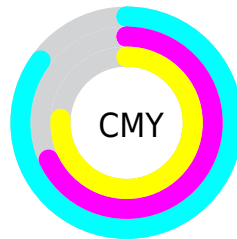
- Red (15%)
- Green (32%)
- Blue (24%)



- Red (15%)
- Yellow (26%)
- Blue (32%)



- Cyan (52%)
- Magenta (0%)
- Yellow (25%)
- Black (68%)





- Cyan (85%)
- Magenta (68%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 21.396, 160.024 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, 21.396, 160.024 by changing the saturation by 10% instead.


 31, 21.396,
160.024


 31, 21.396,
160.024

 100, 21.396,
160.024


 21, 21.396,
160.024

 51, 21.396,
160.024


 11, 21.396,
160.024


 61, 21.396,
160.024

 1, 21.396, 160.024

 71, 21.396,
160.024

 0, 21.396, 160.024

 81, 21.396,
160.024

 91, 21.396,
160.024

■ 31, 21.396,
160.024

■ 31, 21.396,
160.024

■ 31, 25.029,
158.714

■ 32, 17.524,
161.194

■ 30, 28.366,
157.249

■ 32, 13.471,
162.245

■ 30, 31.365,
155.612

■ 33, 9.296, 163.197

■ 30, 34.038,
153.843

■ 33, 5.053, 164.074

■ 34, 0.789, 165.088

■ 30, 36.180,
152.560

■ 35, 3.460, 345.472

■ 36, 7.662, 346.173

■ 37, 11.796,
346.804

■ 38, 15.845,
347.391

Harmonies

Complementary

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



31, 21.396, 160.024



22, 22.732, 350.069

Rectangle

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



31, 21.396, 160.024



31, 21.396, 210.024



31, 21.396, 340.024



31, 21.396, 30.024

Sweetspot

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



31, 21.396, 160.023



43, 8.416, 163.669



32, 27.643, 127.466



21, 5.727, 163.572



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, 21.396, 160.023



39, 30.820, 158.396



31, 15.004, 199.015



16, 2.396, 164.341



38, 43.919, 151.704



81, 81.471, 150.008

Inverse Universe

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



22, 22.732, 350.069



27, 32.899, 351.932



22, 21.206, 25.623



15, 2.425, 345.569



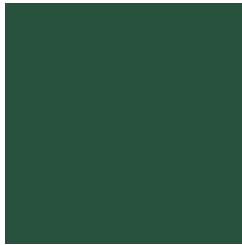
21, 44.026, 1.707



50, 78.647, 5.014

Previews

White Background



This preview shows how the CIELCh color 31, 21.396, 160.024 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, 21.396, 160.024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

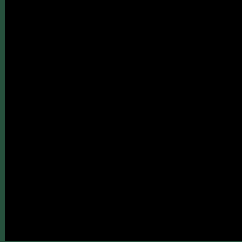
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 21.396, 160.024

Background



This preview shows how black text looks on a background with the CIELCh color 31, 21.396, 160.024.



This preview shows how white text looks on a background with the CIELCh color 31, 21.396, 160.024.

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, 21.396, 160.024

Protanopia

31, 10.292, 97.688

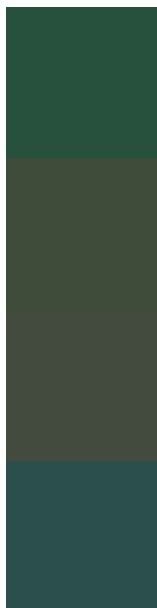
Deuteranopia

31, 7.563, 55.909



Tritanopia
31, 12.307, 216.068

Trichromacy



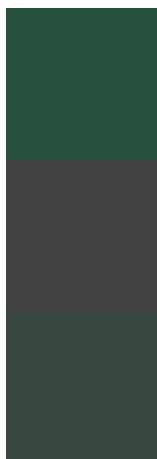
Original Color
31, 21.396, 160.024

Protanomaly
31, 12.861, 135.446

Deuteranomaly
30, 8.272, 131.306

Tritanomaly
31, 13.983, 189.455

Monochromacy



Original Color
31, 21.396, 160.024

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 8.000, 163.825

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 21.396, 160.024 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(39, 81, 61)` looks like.

```
.text, #text, p{  
    color:rgb(39, 81, 61)  
}
```

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(39, 81, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 81, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 21.396, 160.024 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(39, 81, 61) }
```

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

```
.border{ border-color:rgb(39, 81, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 81, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 81, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 81, 61);  
box-shadow:4px 4px 4px 4px rgb(39, 81, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 21.396, 160.024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 81, 61) }
```

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

```
.background{ background-color: rgb(39, 81,  
61) }
```

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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