

Converting Colors

CIELCh(31, 15.831, 221.088)

Have a look what the booklet for
CIELCh(31, 15.831, 221.088)
contains.

CIELCh(31, 15.824, 221.504)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(31, 15.824, 221.504)

Conversions

Conversions Part 1

Format	Color
Hex	234F59
RGB	35, 79, 89
RGB Percent	14%, 31%, 35%
CMY	0.8632, 0.6906, 0.6514
CMYK	0.61, 0.11, 0.00, 0.65
HSL	191°, 44%, 24%
HSV	191°, 61%, 35%
XYZ	5.2762, 6.6515, 10.4334
YIQ	66.9840, -29.4340, -6.2180

Conversions

Conversions Part 2

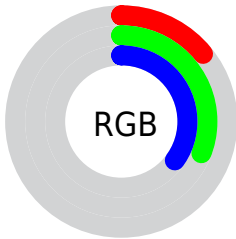
Format	Color
R_{YB}	35, 59, 89
Decimal	2314073
CIE _{Lab}	31.00, -11.85, -10.49
CIE _{LCh}	31, 15.824, 221.504
Yxy	6.6515, 0.2360, 0.2975
Android (android.graphics.Color)	4280504153 (0xFF234F59)
YUV	66.9840, 10.8539, -28.0500
Hunter-Lab	25.7905, -8.6159, -5.9321

Details

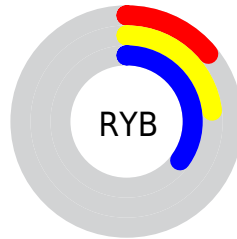
The CIELCh color **31, 15.824, 221.504** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **24, 24.521, 39.012**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 15.910, 222.016**, and **11, 12.805, 232.380** is the 20% darker color. If you saturate the color by 10%, you get **30, 17.397, 223.005**, and if you desaturate by 10%, it is **32, 13.899, 220.339**.

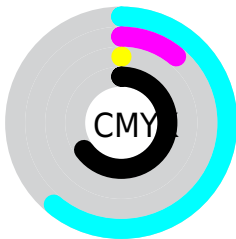
Distribution



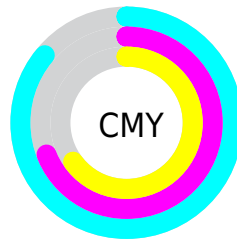
- Red (14%)
- Green (31%)
- Blue (35%)



- Red (14%)
- Yellow (23%)
- Blue (35%)



- Cyan (61%)
- Magenta (11%)
- Yellow (0%)
- Black (65%)





- Cyan (86%)
- Magenta (69%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 15.824, 221.504 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, 15.824, 221.504 by changing the saturation by 10% instead.


 31, 15.824,
221.504


 31, 15.824,
221.504

 100, 15.824,
221.504


 21, 15.824,
221.504

 51, 15.824,
221.504


 11, 15.824,
221.504


 61, 15.824,
221.504

 1, 15.824, 221.504

 71, 15.824,
221.504

 0, 15.824, 221.504

 81, 15.824,
221.504

 91, 15.824,
221.504

■ 31, 15.824,
221.504

■ 31, 15.824,
221.504

■ 30, 17.397,
223.005

■ 32, 13.899,
220.339

■ 29, 18.605,
224.908

■ 33, 11.652,
219.458

■ 29, 19.464,
227.260

■ 34, 9.121, 218.808

■ 28, 20.196,
229.449

■ 35, 6.349, 218.350

■ 36, 3.377, 218.069

■ 38, 0.244, 219.022

■ 39, 3.017, 37.561

■ 40, 6.375, 37.576

■ 42, 9.805, 37.611

Harmonies

Complementary

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



31, 15.824, 221.504



24, 24.521, 39.012

Rectangle

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



31, 15.824, 221.504



31, 15.824, 271.504



31, 15.824, 41.504



31, 15.824, 91.504

Sweetspot

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



31, 15.824, 221.502



46, 6.838, 218.273



33, 35.059, 144.742



23, 4.763, 218.343



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



31, 15.824, 221.502



39, 21.527, 223.818



22, 25.020, 283.113



17, 1.729, 218.039



34, 23.021, 230.341



72, 41.045, 232.929

Inverse Universe

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



23, 34.717, 333.695



28, 48.779, 334.680



31, 24.702, 85.009



16, 3.241, 330.474



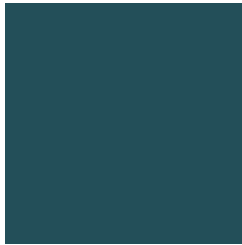
23, 53.211, 336.736



53, 93.752, 337.430

Previews

White Background



This preview shows how the CIELCh color 31, 15.824, 221.504 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, 15.824, 221.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

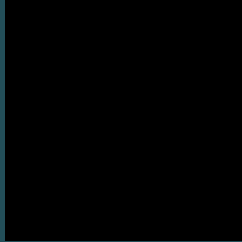
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 15.824, 221.504

Background



This preview shows how black text looks on a background with the CIELCh color 31, 15.824, 221.504.



This preview shows how white text looks on a background with the CIELCh color 31, 15.824, 221.504.

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

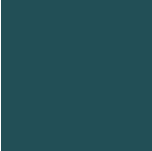
31, 15.824, 221.504

Protanopia

31, 7.656, 288.500

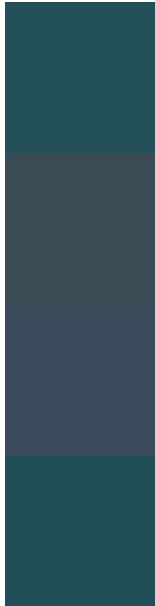
Deuteranopia

31, 12.766, 292.475



Tritanopia
31, 15.772, 213.975

Trichromacy



Original Color
31, 15.824, 221.504

Protanomaly
31, 9.429, 247.092

Deuteranomaly
31, 11.645, 260.704

Tritanomaly
31, 15.835, 216.387

Monochromacy



Original Color
31, 15.824, 221.504

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 6.924, 220.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 15.824, 221.504 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(35, 79, 89)` looks like.

```
.text, #text, p{  
    color:rgb(35, 79, 89)  
}
```

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(35, 79, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 79, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 15.824, 221.504 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(35, 79, 89) }
```

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

```
.border{ border-color:rgb(35, 79, 89) }
```

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

Here you see how a box with a 4 pixel rgb(35, 79, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 79, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 79, 89);  
box-shadow:4px 4px 4px 4px rgb(35, 79, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 15.824, 221.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 79, 89) }
```

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

```
.background{ background-color: rgb(35, 79,  
89) }
```

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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