

Converting Colors

CIELCh(31, 31.337, 271.961)

Have a look what the booklet for
CIELCh(31, 31.337, 271.961)
contains.

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Color

CIELCh(31, 31.475, 272.224)

Conversions

Conversions Part 1

Format	Color
Hex	194B7A
RGB	25, 75, 122
RGB Percent	10%, 29%, 48%
CMY	0.9017, 0.7057, 0.5214
CMYK	0.79, 0.39, 0.00, 0.52
HSL	209°, 66%, 29%
HSV	209°, 79%, 48%
XYZ	6.4371, 6.6515, 19.3715
YIQ	65.4080, -44.8870, 4.0170

Conversions

Conversions Part 2

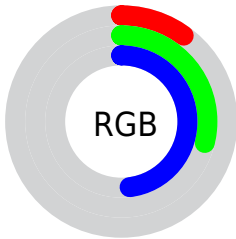
Format	Color
R _Y B	25, 58, 122
Decimal	1657722
CIE Lab	31.00, 1.22, -31.45
CIE LCh	31, 31.475, 272.224
Yxy	6.6515, 0.1983, 0.2049
Android (android.graphics.Color)	4279847802 (0xFF194B7A)
YUV	65.4080, 27.8999, -35.4378
Hunter-Lab	25.7905, -0.5813, -26.4799

Details

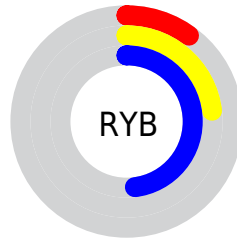
The CIELCh color **31, 31.475, 272.224** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **36, 39.659, 64.173**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 31.814, 272.644**, and **13, 29.684, 284.741** is the 20% darker color. If you saturate the color by 10%, you get **29, 35.183, 276.362**, and if you desaturate by 10%, it is **33, 27.775, 268.498**.

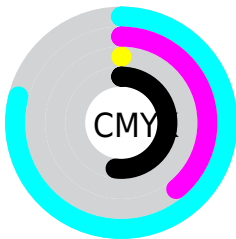
Distribution



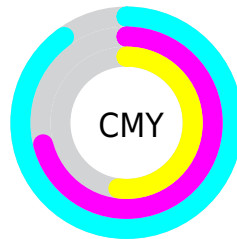
- Red (10%)
- Green (29%)
- Blue (48%)



- Red (10%)
- Yellow (23%)
- Blue (48%)



- Cyan (79%)
- Magenta (39%)
- Yellow (0%)
- Black (52%)





- Cyan (90%)
- Magenta (71%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 31.475, 272.224 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, 31.475, 272.224 by changing the saturation by 10% instead.


 31, 31.475,
272.224


 31, 31.475,
272.224

 100, 31.475,
272.224


 21, 31.475,
272.224

 51, 31.475,
272.224


 11, 31.475,
272.224


 61, 31.475,
272.224

 1, 31.475, 272.224

 71, 31.475,
272.224

 0, 31.475, 272.224

 81, 31.475,
272.224

 91, 31.475,
272.224

■ 31, 31.475,
272.224

■ 31, 31.475,
272.224

■ 29, 35.183,
276.362

■ 33, 27.775,
268.498

■ 27, 39.006,
280.510

■ 36, 24.028,
265.236

■ 27, 39.222,
280.719

■ 38, 20.199,
262.435

■ 41, 16.275,
260.058

■ 43, 12.257,
258.053

■ 46, 8.156, 256.367

■ 49, 3.989, 254.967

■ 51, 0.227, 72.516

Harmonies

Complementary

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



31, 31.475, 272.224



36, 39.659, 64.173

Rectangle

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



31, 31.475, 272.224



31, 31.475, 322.224



31, 31.475, 92.224



31, 31.475, 142.224

Sweetspot

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



31, 31.474, 272.225



57, 12.391, 257.194



45, 44.133, 153.229



28, 8.447, 257.693



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



31, 31.474, 272.225



36, 46.027, 279.798



17, 63.583, 302.656



24, 2.383, 254.919



27, 39.981, 280.842



55, 70.826, 283.482

Inverse Universe

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



28, 45.235, 353.045



34, 58.843, 358.273



49, 49.656, 102.708



24, 3.509, 343.500



26, 50.286, 359.076



54, 84.188, 1.438

Previews

White Background



This preview shows how the CIELCh color 31, 31.475, 272.224 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, 31.475, 272.224 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, 31.475, 272.224

Background



This preview shows how black text looks on a background with the CIELCh color 31, 31.475, 272.224.



This preview shows how white text looks on a background with the CIELCh color 31, 31.475, 272.224.

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, 31.475, 272.224

Protanopia

31, 30.719, 285.727

Deuteranopia

31, 31.940, 278.637



Tritanopia
31, 21.083, 207.211

Trichromacy



Original Color
31, 31.475, 272.224

Protanomaly
31, 31.171, 280.168

Deuteranomaly
31, 31.603, 275.877

Tritanomaly
31, 21.464, 236.535

Monochromacy



Original Color
31, 31.475, 272.224

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 12.765, 258.750

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 31.475, 272.224 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(25, 75, 122)` looks like.

```
.text, #text, p{  
    color:rgb(25, 75, 122)  
}
```

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(25, 75, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 75, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 31.475, 272.224 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(25, 75, 122) }
```

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

```
.border{ border-color:rgb(25, 75, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 75, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 75, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 75, 122);  
box-shadow:4px 4px 4px 4px rgb(25, 75,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 31.475, 272.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 75, 122) }
```

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

```
.background{ background-color: rgb(25, 75,  
122) }
```

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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