

Converting Colors

CIELCh(15, 27.072, 297.074)

Have a look what the booklet for
CIELCh(15, 27.072, 297.074)
contains.

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Color

CIELCh(15, 27.493, 297.799)

Conversions

Conversions Part 1

Format	Color
Hex	222148
RGB	34, 33, 72
RGB Percent	13%, 13%, 28%
CMY	0.8660, 0.8700, 0.7170
CMYK	0.53, 0.54, 0.00, 0.72
HSL	242°, 37%, 21%
HSV	242°, 54%, 28%
XYZ	2.3880, 1.9086, 6.4014
YIQ	37.7450, -11.9230, 12.3410

Conversions

Conversions Part 2

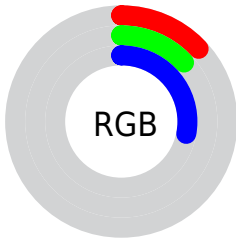
Format	Color
R_YB	34, 33, 72
Decimal	2236744
CIE Lab	15.00, 12.82, -24.32
CIE LCh	15, 27.493, 297.799
Yxy	1.9086, 0.2232, 0.1784
Android (android.graphics.Color)	4280426824 (0xFF222148)
YUV	37.7450, 16.8877, -3.2844
Hunter-Lab	13.8151, 6.6776, -17.8022

Details

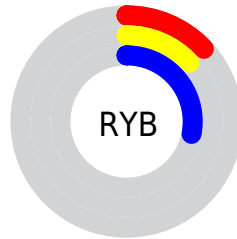
The CIELCh color **15, 27.493, 297.799** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **30, 24.092, 106.821**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 27.578, 297.482**, and **1, 14.936, 289.238** is the 20% darker color. If you saturate the color by 10%, you get **12, 33.134, 299.559**, and if you desaturate by 10%, it is **18, 21.995, 296.201**.

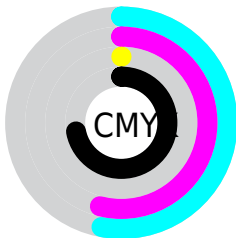
Distribution



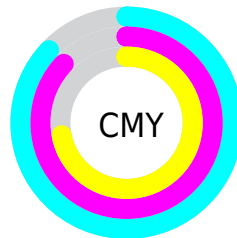
- Red (13%)
- Green (13%)
- Blue (28%)



- Red (13%)
- Yellow (13%)
- Blue (28%)



- Cyan (53%)
- Magenta (54%)
- Yellow (0%)
- Black (72%)



- Cyan (87%)
- Magenta (87%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 27.493, 297.799 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 15, 27.493, 297.799 by changing the saturation by 10% instead.

■ 15, 27.493,
297.799

■ 15, 27.493,
297.799

■ 100, 27.493,
297.799

■ 5, 27.493, 297.799

■ 35, 27.493,
297.799

■ 0, 27.493, 297.799

■ 45, 27.493,
297.799

■ 55, 27.493,
297.799

■ 65, 27.493,
297.799

■ 75, 27.493,
297.799

■ 85, 27.493,

297.799

95, 27.493,
297.799

15, 27.493,
297.799

15, 27.493,
297.799

12, 33.134,
299.559

18, 21.995,
296.201

10, 38.795,
301.410

21, 16.684,
294.785

7, 44.119, 303.141

24, 11.568,
293.549

5, 48.318, 304.099

27, 6.640, 292.479

4, 50.674, 304.420

29, 1.890, 291.562

32, 2.694, 110.738

■ 35, 7.123, 110.050

■ 38, 11.408,
109.450

■ 41, 15.558,
108.926

Harmonies

Complementary

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



15, 27.493, 297.799



30, 24.092, 106.821

Rectangle

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



15, 27.493, 297.799



15, 27.493, 347.799



15, 27.493, 117.799



15, 27.493, 167.799

Sweetspot

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



15, 27.493, 297.800



34, 9.473, 292.739



28, 14.127, 198.989



16, 6.461, 292.839



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



15, 27.493, 297.800



17, 42.197, 300.205



17, 27.994, 312.034



12, 2.581, 291.956



8, 66.905, 306.447



28, 122.412, 306.347

Inverse Universe

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



20, 29.480, 327.729



25, 42.772, 328.262



28, 26.151, 127.419



13, 3.068, 325.542



22, 56.824, 329.237



54, 103.649, 329.314

Previews

White Background



This preview shows how the CIELCh color 15, 27.493, 297.799 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 15, 27.493, 297.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

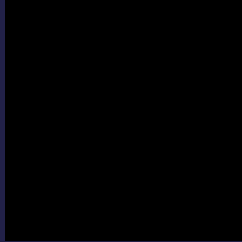
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 27.493, 297.799

Background



This preview shows how black text looks on a background with the CIELCh color 15, 27.493, 297.799.



This preview shows how white text looks on a background with the CIELCh color 15, 27.493, 297.799.

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


15, 27.493, 297.799

Protanopia

15, 27.764, 283.746

Deuteranopia

15, 21.906, 269.547



Tritanopia
15, 6.855, 222.698

Trichromacy



Original Color
15, 27.493, 297.799

Protanomaly
15, 27.586, 287.336

Deuteranomaly
15, 23.829, 279.804

Tritanomaly
15, 11.792, 273.869

Monochromacy



Original Color
15, 27.493, 297.799

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 9.943, 295.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 27.493, 297.799 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(34, 33, 72)` looks like.

```
.text, #text, p{  
    color:rgb(34, 33, 72)  
}
```

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(34, 33, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 33, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 27.493, 297.799 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(34, 33, 72) }
```

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

```
.border{ border-color:rgb(34, 33, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 33, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 33, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 33, 72);  
box-shadow:4px 4px 4px 4px rgb(34, 33, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 27.493, 297.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 33, 72) }
```

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

```
.background{ background-color: rgb(34, 33,  
72) }
```

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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