

Converting Colors

CIELCh(12, 38.230, 300.756)

Have a look what the booklet for
CIELCh(12, 38.230, 300.756)
contains.

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Color

CIELCh(12, 37.843, 300.790)

Conversions

Conversions Part 1

Format	Color
Hex	1A184D
RGB	26, 24, 77
RGB Percent	10%, 9%, 30%
CMY	0.8982, 0.9060, 0.6982
CMYK	0.66, 0.69, 0.00, 0.70
HSL	242°, 53%, 20%
HSV	242°, 69%, 30%
XYZ	2.0892, 1.4064, 7.1756
YIQ	30.6400, -15.8210, 16.9070

Conversions

Conversions Part 2

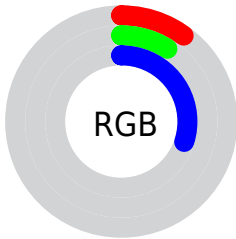
Format	Color
RYB	26, 24, 77
Decimal	1710157
CIELab	12.00, 19.37, -32.51
CIELCh	12, 37.843, 300.790
Yxy	1.4064, 0.1958, 0.1318
Android (android.graphics.Color)	4279900237 (0xFF1A184D)
YUV	30.6400, 22.8555, -4.0693
Hunter-Lab	11.8591, 10.6930, -27.5736




Details

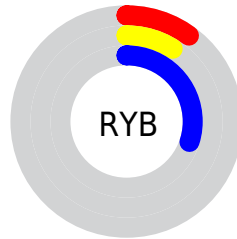
The CIELCh color **12, 37.843, 300.790** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **31, 31.404, 106.326**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 38.120, 300.727**, and **1, 17.727, 289.160** is the 20% darker color. If you saturate the color by 10%, you get **9, 43.703, 302.603**, and if you desaturate by 10%, it is **15, 31.866, 299.003**.

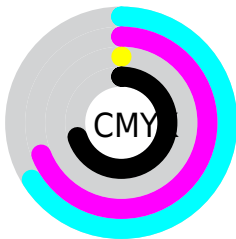
Distribution







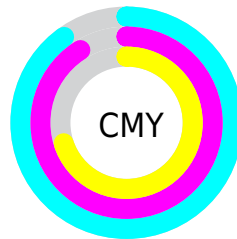
-  Red (10%)
-  Green (9%)
-  Blue (30%)






-  Red (10%)
-  Yellow (9%)
-  Blue (30%)



-  Cyan (66%)
-  Magenta (69%)
-  Yellow (0%)
-  Black (70%)



-  Cyan (90%)
-  Magenta (91%)
-  Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 37.843, 300.790 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 12, 37.843, 300.790 by changing the saturation by 10% instead.

■ 12, 37.843,
300.790

■ 12, 37.843,
300.790

■ 100, 37.843,
300.790

■ 2, 37.843, 300.790

■ 32, 37.843,
300.790

■ 0, 37.843, 300.790

■ 42, 37.843,
300.790

■ 52, 37.843,
300.790

■ 62, 37.843,
300.790

■ 72, 37.843,
300.790

■ 82, 37.843,

300.790

■ 92, 37.843,
300.790

■ 12, 37.843,
300.790

■ 12, 37.843,
300.790

■ 9, 43.703, 302.603

■ 15, 31.866,
299.003

■ 7, 48.955, 304.187

■ 18, 25.981,
297.341

■ 5, 53.550, 305.264

■ 5, 54.061, 305.354

■ 21, 20.275,
295.852

■ 24, 14.773,
294.543

■ 27, 9.475, 293.405

■ 30, 4.371, 292.424

■ 33, 0.549, 111.522

■ 36, 5.299, 110.828

■ 39, 9.890, 110.193

Harmonies

Complementary

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



12, 37.843, 300.790



31, 31.404, 106.326

Rectangle

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



12, 37.843, 300.790



12, 37.843, 350.790



12, 37.843, 120.790



12, 37.843, 170.790

Sweetspot

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



12, 37.843, 300.791



34, 13.116, 293.719



29, 17.145, 200.771



16, 8.974, 293.877



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



12, 37.843, 300.791



12, 56.797, 303.814



15, 37.514, 313.141



14, 2.740, 292.405



9, 68.036, 306.510



29, 123.397, 306.372

Inverse Universe

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



19, 37.734, 328.700



23, 52.019, 329.259



29, 34.461, 127.538



14, 3.229, 325.868



23, 57.351, 329.698



54, 103.576, 329.808

Previews

White Background



This preview shows how the CIELCh color 12, 37.843, 300.790 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 12, 37.843, 300.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

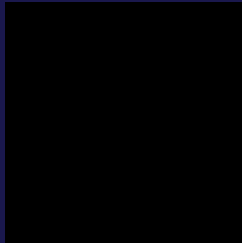
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 37.843, 300.790

Background



This preview shows how black text looks on a background with the CIELCh color 12, 37.843, 300.790.



This preview shows how white text looks on a background with the CIELCh color 12, 37.843, 300.790.

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

12, 37.843, 300.790

Protanopia

12, 25.797, 281.024

Deuteranopia

12, 18.318, 265.390

Trichromacy



Original Color
12, 37.843, 300.790

Protanomaly
11, 30.448, 290.257

Deuteranomaly
12, 24.869, 284.502

Monochromacy



Original Color
12, 37.843, 300.790

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 14.622, 296.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 37.843, 300.790 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(26, 24, 77)` looks like.

```
.text, #text, p{  
    color:rgb(26, 24, 77)  
}
```

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(26, 24, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 24, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 37.843, 300.790 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(26, 24, 77) }
```

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

```
.border{ border-color:rgb(26, 24, 77) }
```

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

Here you see how a box with a 4 pixel rgb(26, 24, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 24, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 24, 77);  
box-shadow:4px 4px 4px 4px rgb(26, 24, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 37.843, 300.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 24, 77) }
```

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

```
.background{ background-color: rgb(26, 24,  
77) }
```

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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