

Converting Colors

CIELCh(12, 22.751, 305.342)

Have a look what the booklet for
CIELCh(12, 22.751, 305.342)
contains.

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Color

CIELCh(12, 22.736, 304.989)

Conversions

Conversions Part 1

Format	Color
Hex	231A39
RGB	35, 26, 57
RGB Percent	14%, 10%, 22%
CMY	0.8619, 0.8973, 0.7756
CMYK	0.38, 0.54, 0.00, 0.78
HSL	257°, 37%, 16%
HSV	257°, 54%, 22%
XYZ	1.8184, 1.4064, 4.0757
YIQ	32.2250, -4.5870, 11.5490

Conversions

Conversions Part 2

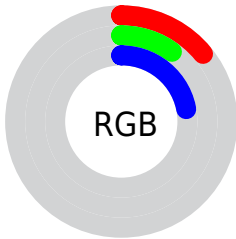
Format	Color
RYB	35, 26, 57
Decimal	2300473
CIELab	12.00, 13.04, -18.63
CIElCh	12, 22.736, 304.989
Yxy	1.4064, 0.2491, 0.1926
Android (android.graphics.Color)	4280490553 (0xFF231A39)
YUV	32.2250, 12.2141, 2.4337
Hunter-Lab	11.8591, 6.6165, -12.0752

Details

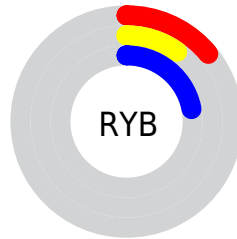
The CIELCh color **12, 22.736, 304.989** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **23, 20.527, 118.771**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 22.773, 305.402**, and **0, 4.446, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **10, 27.203, 305.807**, and if you desaturate by 10%, it is **14, 18.307, 304.203**.

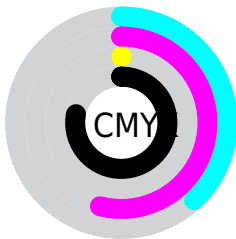
Distribution



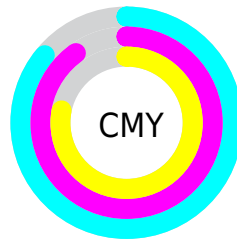
- Red (14%)
- Green (10%)
- Blue (22%)



- Red (14%)
- Yellow (10%)
- Blue (22%)



- Cyan (38%)
- Magenta (54%)
- Yellow (0%)
- Black (78%)



- Cyan (86%)
- Magenta (90%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 22.736, 304.989 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, 22.736, 304.989 by changing the saturation by 10% instead.

■ 12, 22.736,
304.989

■ 12, 22.736,
304.989

■ 100, 22.736,
304.989

■ 2, 22.736, 304.989

■ 32, 22.736,
304.989

■ 0, 22.736, 304.989

■ 42, 22.736,
304.989


■ 52, 22.736,
304.989


■ 62, 22.736,
304.989

■ 72, 22.736,
304.989


■ 82, 22.736,


304.989


 92, 22.736,
304.989


 12, 22.736,
304.989

 12, 22.736,
304.989

 10, 27.203,
305.807

 14, 18.307,
304.203

 8, 31.613, 306.613

 16, 13.966,
303.471

 6, 35.155, 306.701

 19, 9.737, 302.801

 5, 38.076, 306.333

 21, 5.630, 302.196

 4, 39.662, 306.057

 23, 1.646, 301.648

 25, 2.216, 121.188

■ 28, 5.961, 120.758

■ 30, 9.594, 120.383

■ 32, 13.122,
120.053

Harmonies

Complementary

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



12, 22.736, 304.989



23, 20.527, 118.771

Rectangle

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



12, 22.736, 304.989



12, 22.736, 354.989



12, 22.736, 124.989



12, 22.736, 174.989

Sweetspot

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



12, 22.736, 304.989



27, 7.881, 302.343



19, 10.179, 234.812



12, 5.376, 302.376



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



12, 22.736, 304.989



14, 34.212, 306.120



14, 23.910, 320.285



9, 2.138, 301.867



9, 61.146, 308.854



30, 116.214, 308.109

Inverse Universe

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



15, 20.465, 337.432



18, 29.529, 338.550



21, 23.411, 135.702



9, 2.068, 334.345



19, 44.593, 342.820



49, 82.693, 344.439

Previews

White Background



This preview shows how the CIELCh color 12, 22.736, 304.989 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, 22.736, 304.989 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, 22.736, 304.989

Background



This preview shows how black text looks on a background with the CIELCh color 12, 22.736, 304.989.



This preview shows how white text looks on a background with the CIELCh color 12, 22.736, 304.989.

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, 22.736, 304.989

Protanopia

12, 22.662, 283.352

Deuteranopia

12, 18.110, 274.507



Tritanopia
12, 2.354, 266.924

Trichromacy



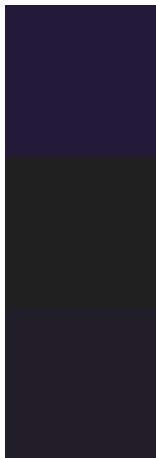
Original Color
12, 22.736, 304.989

Protanomaly
12, 22.491, 290.033

Deuteranomaly
12, 18.991, 285.415

Tritanomaly
12, 9.504, 298.328

Monochromacy



Original Color
12, 22.736, 304.989

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 8.132, 302.214

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 22.736, 304.989 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, 26, 57)` looks like.

```
.text, #text, p{  
    color:rgb(35, 26, 57)  
}
```

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, 26, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 26, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 22.736, 304.989 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, 26, 57) }
```

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

```
.border{ border-color:rgb(35, 26, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 26, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 26, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 26, 57);  
box-shadow:4px 4px 4px 4px rgb(35, 26, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 22.736, 304.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 26, 57) }
```

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

```
.background{ background-color: rgb(35, 26,  
57) }
```

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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