

Converting Colors

CIELCh(12, 23.540, 132.467)

Have a look what the booklet for
CIELCh(12, 23.540, 132.467)
contains.

CIELCh(12, 23.303, 132.307)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(12, 23.303, 132.307)

Conversions

Conversions Part 1

Format	Color
Hex	112401
RGB	17, 36, 1
RGB Percent	7%, 14%, 0%
CMY	0.9324, 0.8574, 0.9977
CMYK	0.53, 0.00, 0.98, 0.86
HSL	92°, 97%, 7%
HSV	92°, 98%, 14%
XYZ	0.8803, 1.4064, 0.2416
YIQ	26.3290, -0.0890, -14.9130

Conversions

Conversions Part 2

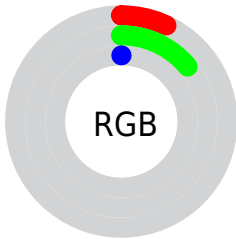
Format	Color
R_{YB}	1, 36, 20
Decimal	1123329
CIE Lab	12.00, -15.69, 17.23
CIE LCh	12, 23.303, 132.307
Yxy	1.4064, 0.3482, 0.5562
Android (android.graphics.Color)	4279313409 (0xFF112401)
YUV	26.3290, -12.4872, -8.1815
Hunter-Lab	11.8591, -7.5027, 7.0934

Details

The CIELCh color **12, 23.303, 132.307** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3, 22.845, 307.482**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 22.866, 132.894**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 23.602, 132.401**, and if you desaturate by 10%, it is **12, 21.434, 131.656**.

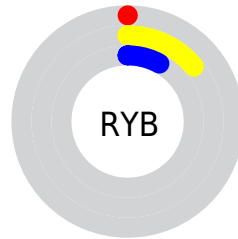
Distribution



Red (7%)

Green (14%)

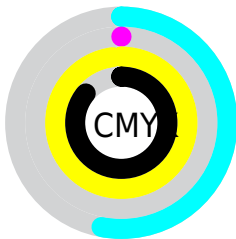
Blue (0%)



Red (0%)

Yellow (14%)

Blue (8%)

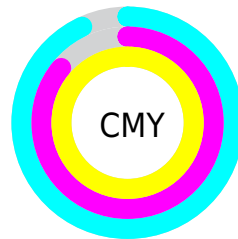


Cyan (53%)

Magenta (0%)

Yellow (98%)

Black (86%)



Cyan (93%)


Magenta (86%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 23.303, 132.307 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, 23.303, 132.307 by changing the saturation by 10% instead.

 12, 23.303,
132.307


 12, 23.303,
132.307


 100, 23.303,
132.307


 2, 23.303, 132.307


 32, 23.303,
132.307

 0, 23.303, 132.307

 42, 23.303,
132.307


 52, 23.303,
132.307


 62, 23.303,
132.307

 72, 23.303,
132.307


 82, 23.303,


132.307


 92, 23.303,
132.307


 12, 23.303,
132.307


 12, 23.303,
132.307


 12, 23.602,
132.401

 12, 21.434,
131.656

 12, 19.582,
130.874

 13, 17.727,
129.957

 13, 15.644,
129.186

 13, 13.274,
128.756

■ 13, 10.619,
128.919

■ 14, 7.867, 129.293

■ 14, 5.096, 129.658

■ 14, 2.323, 130.014

Harmonies

Complementary

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



12, 23.303, 132.307



3, 22.845, 307.482

Rectangle

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



12, 23.303, 132.307



12, 23.303, 182.307



12, 23.303, 312.307



12, 23.303, 2.307

Sweetspot

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



12, 23.304, 132.307



19, 10.597, 129.151



8, 13.226, 61.961



8, 6.755, 131.794



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



12, 23.304, 132.307



17, 31.151, 129.138



11, 26.411, 143.953



5, 1.099, 130.634



30, 47.548, 127.741



75, 95.099, 129.279

Inverse Universe

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



3, 22.845, 307.482



4, 33.724, 311.623



5, 26.303, 328.257



5, 1.097, 309.907



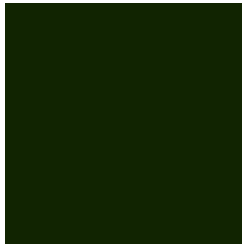
10, 53.702, 313.680



34, 106.728, 312.622

Previews

White Background



This preview shows how the CIELCh color 12, 23.303, 132.307 looks on a white background.

Color Contrast Check

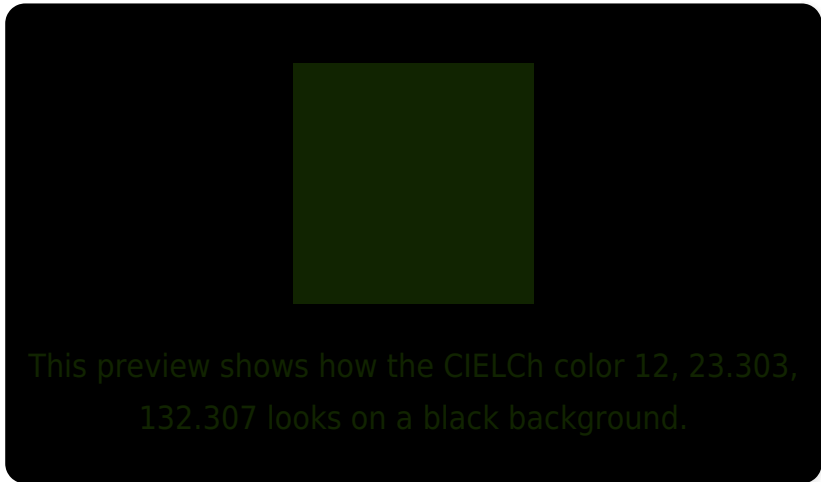
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 23.303, 132.307

Background



This preview shows how black text looks on a background with the CIELCh color 12, 23.303, 132.307.



This preview shows how white text looks on a background with the CIELCh color 12, 23.303, 132.307.

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, 22.912, 132.668

Protanopia

12, 17.996, 99.288

Deuteranopia

12, 14.952, 84.061



Tritanopia
12, 5.654, 220.969

Trichromacy



Original Color
12, 22.912, 132.668

Protanomaly
12, 19.466, 115.219

Deuteranomaly
12, 15.822, 107.084

Tritanomaly
12, 10.901, 150.336

Monochromacy



Original Color
12, 22.912, 132.668

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 9.852, 130.405

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 23.303, 132.307 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(17, 36, 1)` looks like.

```
.text, #text, p{  
    color:rgb(17, 36, 1)  
}
```

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(17, 36, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 36, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 23.303, 132.307 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(17, 36, 1) }
```

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

```
.border{ border-color:rgb(17, 36, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 36, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 36, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(17, 36, 1); box-shadow:4px  
4px 4px 4px rgb(17, 36, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 23.303, 132.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 36, 1) }
```

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

```
.background{ background-color: rgb(17, 36,  
1) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor