

Converting Colors

CIELCh(12, 26.223, 0.253)

Have a look what the booklet for
CIELCh(12, 26.223, 0.253) contains.

CIELCh(12, 25.996, 0.123)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(12, 25.996, 0.123)

Conversions

Conversions Part 1

Format	Color
Hex	3E0C20
RGB	62, 12, 32
RGB Percent	24%, 5%, 13%
CMY	0.7559, 0.9520, 0.8737
CMYK	0.00, 0.80, 0.48, 0.76
HSL	336°, 67%, 15%
HSV	336°, 80%, 24%
XYZ	2.3999, 1.4064, 1.5260
YIQ	29.2300, 23.3800, 16.8200

Conversions

Conversions Part 2

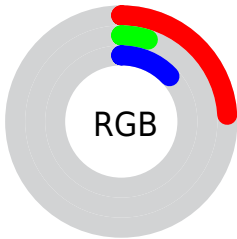
Format	Color
RYB	62, 12, 32
Decimal	4066336
CIELab	12.00, 26.00, 0.06
CIELCh	12, 25.996, 0.123
Yxy	1.4064, 0.4501, 0.2637
Android (android.graphics.Color)	4282256416 (0xFF3E0C20)
YUV	29.2300, 1.3656, 28.7393
Hunter-Lab	11.8591, 15.3693, 0.6720




Details

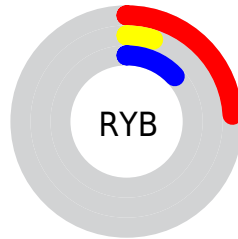
The CIELCh color **12, 25.996, 0.123** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **23, 23.297, 160.858**, and the grayscale version is **11, 0.003, 296.813**.




A 20% lighter version of the original color is **32, 26.047, 359.425**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 28.279, 2.636**, and if you desaturate by 10%, it is **13, 23.392, 357.898**.

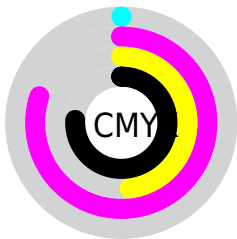
Distribution







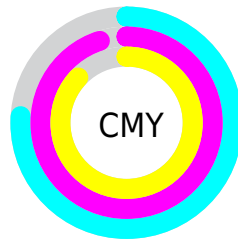
-  Red (24%)
-  Green (5%)
-  Blue (13%)






-  Red (24%)
-  Yellow (5%)
-  Blue (13%)



-  Cyan (0%)
-  Magenta (80%)
-  Yellow (48%)
-  Black (76%)



-  Cyan (76%)
-  Magenta (95%)
-  Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 25.996, 0.123 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, 25.996, 0.123 by changing the saturation by 10% instead.

 12, 25.996, 0.123  12, 25.996, 0.123

 100, 25.996, 0.123  2, 25.996, 0.123

 32, 25.996, 0.123  0, 25.996, 0.123

 42, 25.996, 0.123

 52, 25.996, 0.123

 62, 25.996, 0.123

 72, 25.996, 0.123

 82, 25.996, 0.123

 92, 25.996, 0.123

 12, 25.996, 0.123  12, 25.996, 0.123

■ 11, 28.279, 2.636

■ 13, 23.392,
357.898

■ 10, 30.818, 4.642

■ 15, 20.392,
356.070

■ 16, 17.127,
354.543

■ 18, 13.715,
353.246

■ 20, 10.250,
352.122

■ 22, 6.799, 351.129

■ 24, 3.409, 350.226

■ 26, 0.107, 347.682

■ 28, 3.092, 168.842

Harmonies

Complementary

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



12, 25.996, 0.123



23, 23.297, 160.858

Rectangle

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



12, 25.996, 0.123



12, 25.996, 50.123



12, 25.996, 180.123



12, 25.996, 230.123

Sweetspot

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



12, 25.995, 0.124



29, 10.115, 351.589



10, 36.190, 315.266



12, 6.840, 351.723



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



12, 25.995, 0.124



15, 35.875, 5.846



12, 25.762, 32.799



10, 1.803, 350.055



18, 40.806, 8.055



47, 76.456, 12.449

Inverse Universe

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



12, 25.995, 0.124



15, 35.875, 5.846



22, 14.870, 210.221



10, 1.803, 350.055



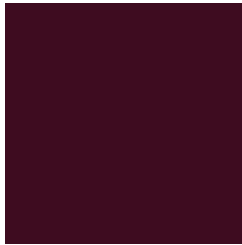
18, 40.806, 8.055



47, 76.456, 12.449

Previews

White Background



This preview shows how the CIELCh color 12, 25.996, 0.123 looks on a white background.

Color Contrast Check

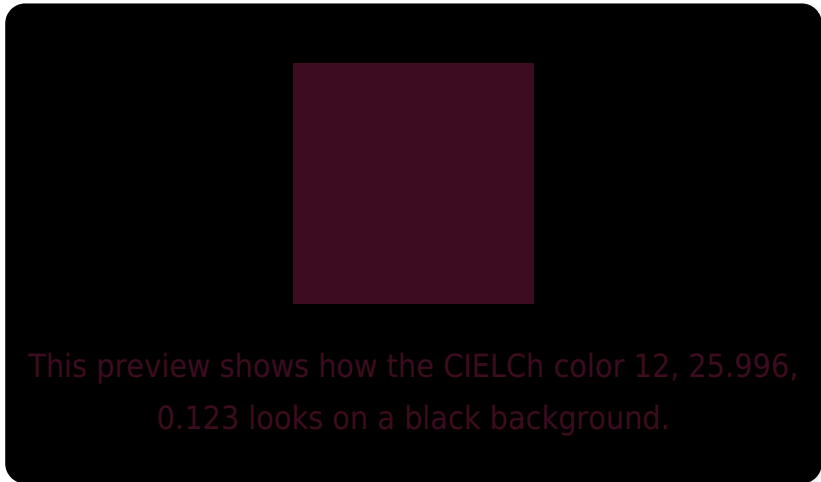
Large Text (above 18pt) WCAG AA ✓ Pass

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

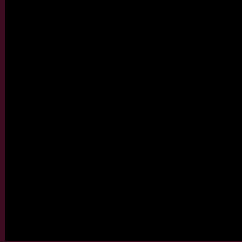
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 25.996, 0.123

Background



This preview shows how black text looks on a background with the CIELCh color 12, 25.996, 0.123.



This preview shows how white text looks on a background with the CIELCh color 12, 25.996, 0.123.

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, 25.996, 0.123

Protanopia

13, 7.936, 286.145

Deuteranopia

13, 3.425, 44.714



Tritanopia
12, 24.297, 27.272

Trichromacy



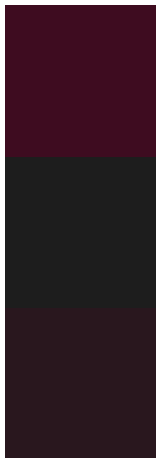
Original Color
12, 25.996, 0.123

Protanomaly
12, 13.437, 329.727

Deuteranomaly
12, 12.008, 2.527

Tritanomaly
12, 24.165, 16.381

Monochromacy



Original Color
12, 25.996, 0.123

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 10.448, 353.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 25.996, 0.123 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(62, 12, 32)` looks like.

```
.text, #text, p{  
    color:rgb(62, 12, 32)  
}
```

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(62, 12, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 12, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 25.996, 0.123 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(62, 12, 32) }
```

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

```
.border{ border-color:rgb(62, 12, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 12, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 12, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 12, 32);  
box-shadow:4px 4px 4px 4px rgb(62, 12, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 25.996, 0.123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 12, 32) }
```

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

```
.background{ background-color: rgb(62, 12,  
32) }
```

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