

Converting Colors

CIELCh(12, 41.696, 328.223)

Have a look what the booklet for
CIELCh(12, 41.696, 328.223)
contains.

CIELCh(12, 41.560, 328.193)	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, 41.560, 328.193)

Conversions

Conversions Part 1

Format	Color
Hex	3E013E
RGB	62, 1, 62
RGB Percent	24%, 0%, 24%
CMY	0.7561, 0.9954, 0.7561
CMYK	0.00, 0.98, 0.00, 0.76
HSL	300°, 96%, 12%
HSV	300°, 98%, 24%
XYZ	2.8872, 1.4064, 4.7046
YIQ	26.1930, 16.7750, 31.9030

Conversions

Conversions Part 2

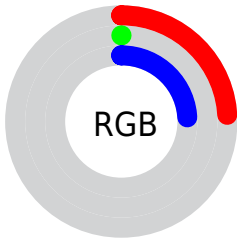
Format	Color
RYB	62, 1, 62
Decimal	4063550
CIELab	12.00, 35.32, -21.90
CIELCh	12, 41.560, 328.193
Yxy	1.4064, 0.3209, 0.1563
Android (android.graphics.Color)	4282253630 (0xFF3E013E)
YUV	26.1930, 17.6529, 31.4027
Hunter-Lab	11.8591, 22.7038, -15.2194

Details

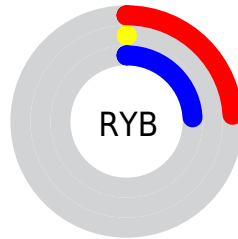
The CIELCh color **12, 41.560, 328.193** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 42.436, 137.026**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 41.581, 328.064**, and **0, 8.037, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **12, 42.135, 328.240**, and if you desaturate by 10%, it is **13, 38.672, 327.956**.

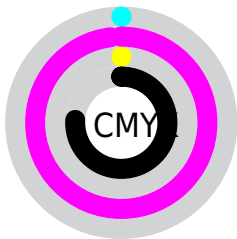
Distribution



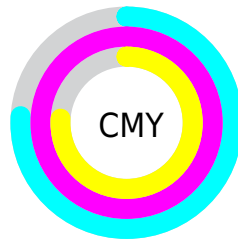
- Red (24%)
- Green (0%)
- Blue (24%)



- Red (24%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (98%)
- Yellow (0%)
- Black (76%)





- Cyan (76%)
- Magenta (100%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 41.560, 328.193 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, 41.560, 328.193 by changing the saturation by 10% instead.

 12, 41.560,
328.193


 12, 41.560,
328.193


 100, 41.560,
328.193


 2, 41.560, 328.193


 32, 41.560,
328.193

 0, 41.560, 328.193

 42, 41.560,
328.193


 52, 41.560,
328.193


 62, 41.560,
328.193


 72, 41.560,
328.193


 82, 41.560,


328.193


 92, 41.560,
328.193


 12, 41.560,
328.193


 12, 41.560,
328.193

 12, 42.135,
328.240

 13, 38.672,
327.956

 14, 35.837,
327.718

 15, 32.373,
327.422

 16, 28.324,
327.069

 18, 23.839,
326.669

■ 19, 19.058,
326.234

■ 21, 14.104,
325.773

■ 23, 9.074, 325.297

■ 25, 4.043, 324.805

Harmonies

Complementary

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



12, 41.560, 328.193



22, 42.436, 137.026

Rectangle

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



12, 41.560, 328.193



12, 41.560, 18.193



12, 41.560, 148.193



12, 41.560, 198.193

Sweetspot

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



12, 41.559, 328.193



28, 18.243, 325.878



3, 42.332, 301.309



12, 12.299, 325.951



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, 41.559, 328.193



17, 50.512, 328.240



10, 30.885, 356.041



10, 2.734, 324.820



21, 55.831, 328.240



53, 104.009, 328.241

Inverse Universe

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



12, 41.559, 328.193



17, 50.512, 328.240



22, 29.947, 152.650



10, 2.734, 324.820



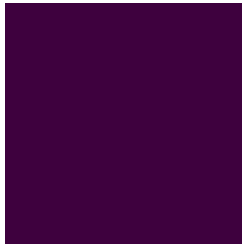
21, 55.831, 328.240



53, 104.009, 328.241

Previews

White Background



This preview shows how the CIELCh color 12, 41.560, 328.193 looks on a white background.

Color Contrast Check

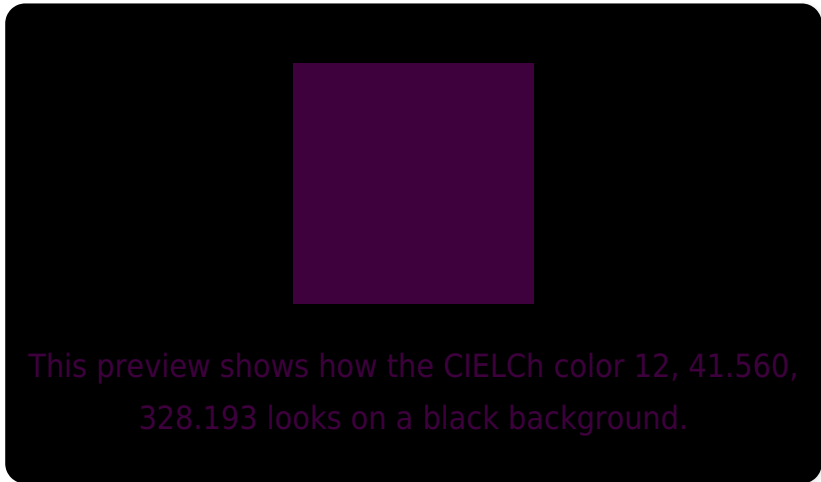
Large Text (above 18pt) WCAG AA ✓ Pass

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

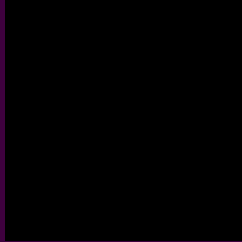
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 41.560, 328.193

Background



This preview shows how black text looks on a background with the CIELCh color 12, 41.560, 328.193.



This preview shows how white text looks on a background with the CIELCh color 12, 41.560, 328.193.

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, 41.560, 328.193

Protanopia

13, 28.245, 282.261

Deuteranopia

14, 16.213, 275.754



Tritanopia
13, 18.234, 20.947

Trichromacy



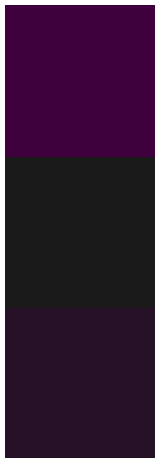
Original Color
12, 41.560, 328.193

Protanomaly
10, 34.115, 300.112

Deuteranomaly
11, 27.177, 307.373

Tritanomaly
12, 24.684, 349.819

Monochromacy



Original Color
12, 41.560, 328.193

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 18.781, 326.777

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 41.560, 328.193 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, 1, 62)` looks like.

```
.text, #text, p{  
    color:rgb(62, 1, 62)  
}
```

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, 1, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 1, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 41.560, 328.193 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, 1, 62) }
```

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

```
.border{ border-color:rgb(62, 1, 62) }
```

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

Here you see how a box with a 4 pixel rgb(62, 1, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 1, 62); -webkit-box-shadow:4px  
4px 4px 4px rgb(62, 1, 62); box-shadow:4px  
4px 4px 4px rgb(62, 1, 62) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 41.560, 328.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 1, 62) }
```

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

```
.background{ background-color: rgb(62, 1,  
62) }
```

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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