

Converting Colors

CIELCh(8, 58.536, 326.437)

Have a look what the booklet for
CIELCh(8, 58.536, 326.437) contains.

CIELCh(12, 44.951, 324.666)	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, 44.951, 324.666)

Conversions

Conversions Part 1

Format	Color
Hex	3D0044
RGB	61, 0, 68
RGB Percent	24%, 0%, 27%
CMY	0.7610, 1.0000, 0.7335
CMYK	0.10, 1.00, 0.00, 0.73
HSL	294°, 100%, 13%
HSV	294°, 100%, 27%
XYZ	2.9629, 1.4064, 5.5765
YIQ	25.9910, 14.5280, 34.0800

Conversions

Conversions Part 2

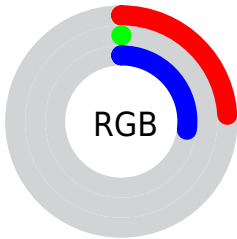
Format	Color
R _Y B	61, 0, 68
Decimal	3997764
CIE Lab	12.00, 36.67, -26.00
CIE LCh	12, 44.951, 324.666
Yxy	1.4064, 0.2979, 0.1414
Android (android.graphics.Color)	4282187844 (0xFF3D0044)
YUV	25.9910, 20.7104, 30.7029
Hunter-Lab	11.8591, 23.8434, -19.5787

Details

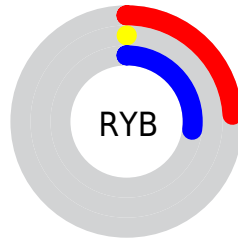
The CIELCh color **12, 44.951, 324.666** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 45.168, 135.091**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 44.782, 324.345**, and **1, 12.136, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **12, 44.930, 324.663**, and if you desaturate by 10%, it is **13, 41.774, 324.538**.

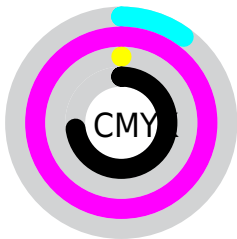
Distribution



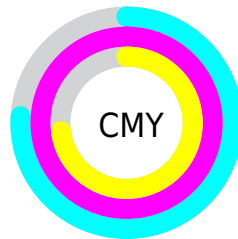
- Red (24%)
- Green (0%)
- Blue (27%)



- Red (24%)
- Yellow (0%)
- Blue (27%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (73%)



- Cyan (76%)
- Magenta (100%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 44.951, 324.666 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, 44.951, 324.666 by changing the saturation by 10% instead.

 12, 44.951,
324.666

 12, 44.951,
324.666

 100, 44.951,
324.666

 2, 44.951, 324.666

 32, 44.951,
324.666

 0, 44.951, 324.666

 42, 44.951,
324.666

 52, 44.951,
324.666

 62, 44.951,
324.666

 72, 44.951,
324.666

 82, 44.951,


324.666

 92, 44.951,
324.666


 12, 44.951,
324.666


 12, 44.951,
324.666


 12, 44.930,
324.663

 13, 41.774,
324.538

 14, 38.765,
324.454

 15, 35.094,
324.281

 17, 30.793,
324.020

 19, 26.037,
323.690

■ 21, 20.984,
323.312

■ 22, 15.766,
322.903

■ 25, 10.485,
322.475

■ 27, 5.214, 322.035

Harmonies

Complementary

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



12, 44.951, 324.666



24, 45.168, 135.091

Rectangle

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



12, 44.951, 324.666



12, 44.951, 14.666



12, 44.951, 144.666



12, 44.951, 194.666

Sweetspot

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



12, 44.930, 324.663



30, 19.774, 322.956



5, 43.335, 300.748



13, 13.606, 323.039



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



12, 44.930, 324.663



18, 54.068, 324.515



12, 34.786, 348.087



12, 2.838, 321.966



20, 57.254, 324.475



49, 105.676, 324.192

Inverse Universe

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



11, 34.360, 24.511



16, 43.249, 29.830



24, 36.168, 146.771



12, 1.702, 11.429



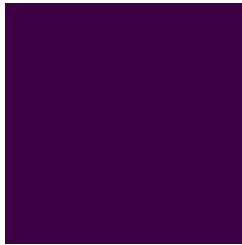
18, 46.355, 31.078



47, 90.477, 36.258

Previews

White Background



This preview shows how the CIELCh color 12, 44.951, 324.666 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 CIE LCh color 12, 44.951, 324.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

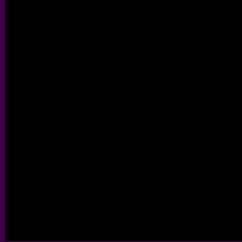
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 44.951, 324.666

Background



This preview shows how black text looks on a background with the CIELCh color 12, 44.951, 324.666.



This preview shows how white text looks on a background with the CIELCh color 12, 44.951, 324.666.

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, 44.951, 324.666

Protanopia

14, 27.544, 280.941

Deuteranopia

14, 20.118, 273.034



Tritanopia
14, 15.491, 21.487

Trichromacy



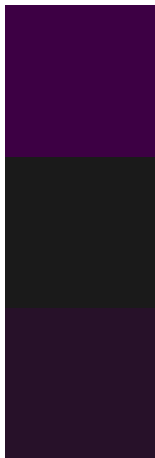
Original Color
12, 44.951, 324.666

Protanomaly
11, 35.483, 299.937

Deuteranomaly
11, 29.748, 301.435

Tritanomaly
12, 24.812, 342.708

Monochromacy



Original Color
12, 44.951, 324.666

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 19.930, 324.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 44.951, 324.666 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(61, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(61, 0, 68)  
}
```

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(61, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 0, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 44.951, 324.666 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(61, 0, 68) }
```

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

```
.border{ border-color:rgb(61, 0, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 0, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 0, 68); -webkit-box-shadow:4px  
4px 4px 4px rgb(61, 0, 68); box-shadow:4px  
4px 4px 4px rgb(61, 0, 68) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 44.951, 324.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 0, 68) }
```

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

```
.background{ background-color: rgb(61, 0,  
68) }
```

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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