

Converting Colors

CIELCh(12, 44.864, 313.165)

Have a look what the booklet for
CIELCh(12, 44.864, 313.165)
contains.

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Color

CIELCh(12, 44.864, 313.165)

Conversions

Conversions Part 1

Format	Color
Hex	2E0C4D
RGB	46, 12, 77
RGB Percent	18%, 5%, 30%
CMY	0.8179, 0.9512, 0.6964
CMYK	0.40, 0.84, 0.00, 0.70
HSL	271°, 72%, 18%
HSV	271°, 84%, 30%
XYZ	2.6378, 1.4064, 7.2329
YIQ	29.5760, -0.6010, 27.4230

Conversions

Conversions Part 2

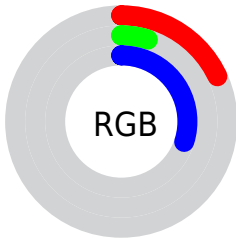
Format	Color
RYB	46, 12, 77
Decimal	3017805
CIELab	12.00, 30.69, -32.72
CIELCh	12, 44.864, 313.165
Yxy	1.4064, 0.2339, 0.1247
Android (android.graphics.Color)	4281207885 (0xFF2E0C4D)
YUV	29.5760, 23.3800, 14.4038
Hunter-Lab	11.8591, 18.9505, -27.8598

Details

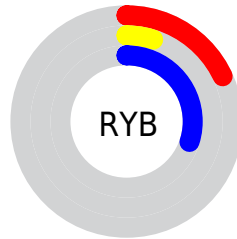
The CIELCh color **12, 44.864, 313.165** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **29, 40.356, 127.159**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 45.006, 313.268**, and **1, 17.727, 289.160** is the 20% darker color. If you saturate the color by 10%, you get **10, 49.017, 313.259**, and if you desaturate by 10%, it is **14, 40.267, 312.997**.

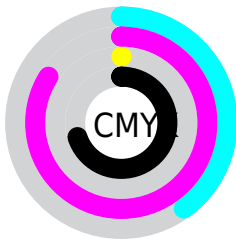
Distribution



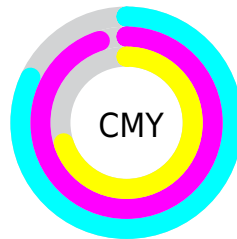
- Red (18%)
- Green (5%)
- Blue (30%)



- Red (18%)
- Yellow (5%)
- Blue (30%)



- Cyan (40%)
- Magenta (84%)
- Yellow (0%)
- Black (70%)





- Cyan (82%)
- Magenta (95%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 44.864, 313.165 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, 44.864, 313.165 by changing the saturation by 10% instead.

 12, 44.864,
313.165


 12, 44.864,
313.165

 100, 44.864,
313.165


 2, 44.864, 313.165


 32, 44.864,
313.165

 0, 44.864, 313.165

 42, 44.864,
313.165

 52, 44.864,
313.165


 62, 44.864,
313.165


 72, 44.864,
313.165


 82, 44.864,


313.165

 92, 44.864,
313.165


 12, 44.864,
313.165


 12, 44.864,
313.165


 10, 49.017,
313.259


 14, 40.267,
312.997

 9, 51.898, 313.494

 16, 35.106,
312.673

 19, 29.633,
312.257

 21, 24.026,
311.797

 24, 18.406,
311.327

■ 26, 12.848,
310.865

■ 29, 7.393, 310.424

■ 32, 2.067, 309.995

■ 35, 3.119, 129.673

Harmonies

Complementary

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



12, 44.864, 313.165



29, 40.356, 127.159

Rectangle

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



12, 44.864, 313.165



12, 44.864, 3.165



12, 44.864, 133.165



12, 44.864, 183.165

Sweetspot

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



12, 44.864, 313.165



34, 16.538, 310.953



18, 24.083, 275.602



16, 11.400, 311.041



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



12, 44.864, 313.165



13, 61.878, 313.104



17, 43.860, 328.478



14, 2.911, 310.199



14, 63.007, 313.069



37, 114.819, 312.280

Inverse Universe

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



16, 32.402, 355.847



20, 42.531, 1.366



28, 45.013, 137.818



14, 2.296, 345.521



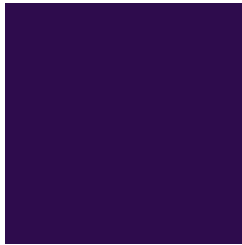
20, 43.282, 1.511



49, 77.998, 4.919

Previews

White Background



This preview shows how the CIELCh color 12, 44.864, 313.165 looks on a white background.

Color Contrast Check

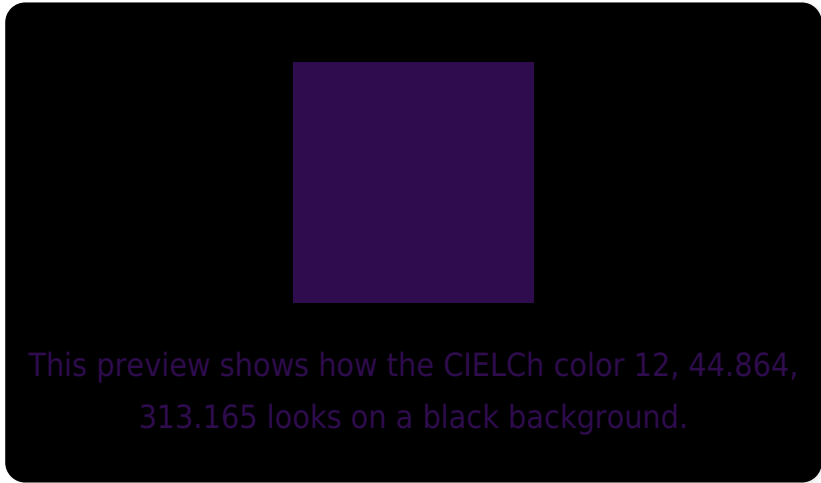
Large Text (above 18pt) WCAG AA ✓ Pass

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

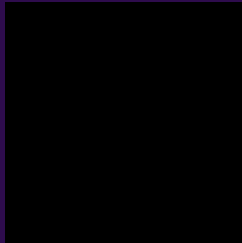
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 44.864, 313.165

Background



This preview shows how black text looks on a background with the CIELCh color 12, 44.864, 313.165.



This preview shows how white text looks on a background with the CIELCh color 12, 44.864, 313.165.

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, 44.864, 313.165

Protanopia

12, 26.399, 281.202

Deuteranopia

12, 18.919, 266.207



Tritanopia
13, 2.884, 350.321

Trichromacy



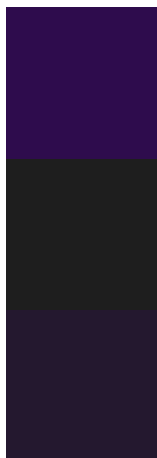
Original Color
12, 44.864, 313.165

Protanomaly
11, 33.282, 295.897

Deuteranomaly
11, 28.386, 293.250

Tritanomaly
12, 19.174, 314.343

Monochromacy



Original Color
12, 44.864, 313.165

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 17.613, 311.778

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 44.864, 313.165 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(46, 12, 77)` looks like.

```
.text, #text, p{  
    color:rgb(46, 12, 77)  
}
```

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(46, 12, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 12, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 44.864, 313.165 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(46, 12, 77) }
```

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

```
.border{ border-color:rgb(46, 12, 77) }
```

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

Here you see how a box with a 4 pixel rgb(46, 12, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 12, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 12, 77);  
box-shadow:4px 4px 4px 4px rgb(46, 12, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 44.864, 313.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 12, 77) }
```

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

```
.background{ background-color: rgb(46, 12,  
77) }
```

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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