

Converting Colors

CIELCh(12, 45.032, 318.210)

Have a look what the booklet for
CIELCh(12, 45.032, 318.210)
contains.

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Color

CIELCh(12, 45.106, 318.252)

Conversions

Conversions Part 1

Format	Color
Hex	36074A
RGB	54, 7, 74
RGB Percent	21%, 3%, 29%
CMY	0.7898, 0.9741, 0.7113
CMYK	0.27, 0.91, 0.00, 0.71
HSL	282°, 84%, 16%
HSV	282°, 91%, 29%
XYZ	2.7957, 1.4064, 6.5361
YIQ	28.6910, 6.5050, 30.8010

Conversions

Conversions Part 2

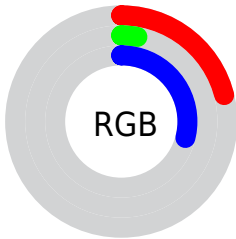
Format	Color
R_{YB}	54, 7, 74
Decimal	3540810
CIE _{Lab}	12.00, 33.65, -30.03
CIE _{LCh}	12, 45.106, 318.252
Yxy	1.4064, 0.2603, 0.1310
Android (android.graphics.Color)	4281730890 (0xFF36074A)
YUV	28.6910, 22.3373, 22.1960
Hunter-Lab	11.8591, 21.3263, -24.3764

Details

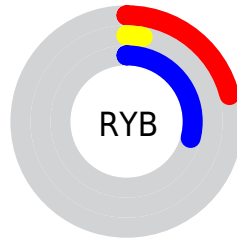
The CIELCh color **12, 45.106, 318.252** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 43.178, 132.237**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 44.655, 318.396**, and **1, 15.334, 288.358** is the 20% darker color. If you saturate the color by 10%, you get **11, 48.559, 318.334**, and if you desaturate by 10%, it is **13, 41.571, 318.303**.

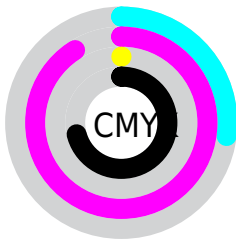
Distribution



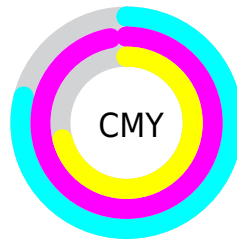
- Red (21%)
- Green (3%)
- Blue (29%)



- Red (21%)
- Yellow (3%)
- Blue (29%)



- Cyan (27%)
- Magenta (91%)
- Yellow (0%)
- Black (71%)





- Cyan (79%)
- Magenta (97%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 45.106, 318.252 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, 45.106, 318.252 by changing the saturation by 10% instead.

 12, 45.106,
318.252


 12, 45.106,
318.252


 100, 45.106,
318.252


 2, 45.106, 318.252


 32, 45.106,
318.252

 0, 45.106, 318.252

 42, 45.106,
318.252


 52, 45.106,
318.252


 62, 45.106,
318.252


 72, 45.106,
318.252


 82, 45.106,


318.252


 92, 45.106,
318.252


 12, 45.106,
318.252


 12, 45.106,
318.252


 11, 48.559,
318.334

 13, 41.571,
318.303

 15, 37.379,
318.220

 17, 32.600,
318.007

 19, 27.447,
317.705

 21, 22.086,
317.349

■ 24, 16.642,
316.965

■ 26, 11.203,
316.571

■ 29, 5.823, 316.176

■ 31, 0.539, 315.653

Harmonies

Complementary

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



12, 45.106, 318.252



27, 43.178, 132.237

Rectangle

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



12, 45.106, 318.252



12, 45.106, 8.252



12, 45.106, 138.252



12, 45.106, 188.252

Sweetspot

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



12, 45.106, 318.252



33, 18.156, 316.849



11, 33.945, 292.318



15, 12.079, 316.907



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



12, 45.106, 318.252



16, 58.739, 317.983



15, 38.809, 336.366



13, 2.862, 316.077



17, 59.827, 317.954



43, 109.703, 317.284

Inverse Universe

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



14, 32.212, 12.298



18, 42.426, 17.347



27, 41.177, 141.406



13, 1.946, 356.702



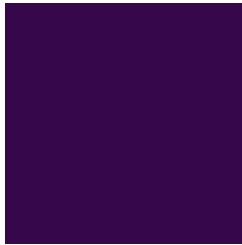
19, 43.238, 17.549



48, 80.718, 22.075

Previews

White Background



This preview shows how the CIELCh color 12, 45.106, 318.252 looks on a white background.

Color Contrast Check

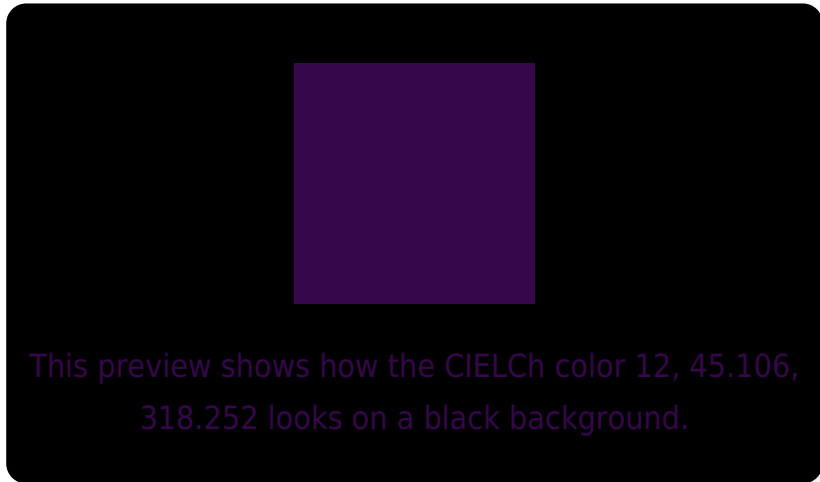
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.106, 318.252

Background



This preview shows how black text looks on a background with the CIELCh color 12, 45.106, 318.252.



This preview shows how white text looks on a background with the CIELCh color 12, 45.106, 318.252.

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, 45.106, 318.252

Protanopia

13, 26.999, 281.371

Deuteranopia

13, 20.097, 268.423



Tritanopia
13, 9.462, 13.588

Trichromacy



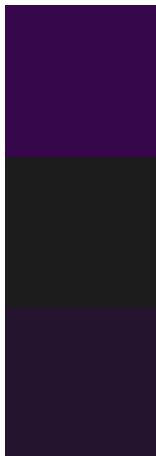
Original Color
12, 45.106, 318.252

Protanomaly
11, 34.789, 298.139

Deuteranomaly
11, 29.816, 295.437

Tritanomaly
12, 21.372, 330.267

Monochromacy



Original Color
12, 45.106, 318.252

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 19.713, 317.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 45.106, 318.252 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(54, 7, 74)` looks like.

```
.text, #text, p{  
    color:rgb(54, 7, 74)  
}
```

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(54, 7, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 7, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 45.106, 318.252 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(54, 7, 74) }
```

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

```
.border{ border-color:rgb(54, 7, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 7, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 7, 74); -webkit-box-shadow:4px  
4px 4px 4px rgb(54, 7, 74); box-shadow:4px  
4px 4px 4px rgb(54, 7, 74) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 45.106, 318.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 7, 74) }
```

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

```
.background{ background-color: rgb(54, 7,  
74) }
```

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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