

Converting Colors

CIELCh(12, 27.975, 344.004)

Have a look what the booklet for
CIELCh(12, 27.975, 344.004)
contains.

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Color

CIELCh(12, 28.063, 343.208)

Conversions

Conversions Part 1	
Format	Color
Hex	3C0C2B
RGB	60, 12, 43
RGB Percent	24%, 5%, 17%
CMY	0.7642, 0.9524, 0.8309
CMYK	0.00, 0.80, 0.28, 0.76
HSL	321°, 66%, 14%
HSV	321°, 80%, 24%
XYZ	2.4429, 1.4064, 2.4396
YIQ	29.8860, 18.6570, 19.8170

Conversions

Conversions Part 2

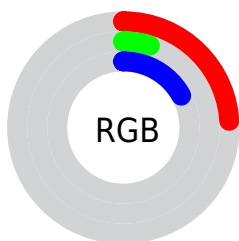
Format	Color
RYB	60, 12, 43
Decimal	3935275
CIELab	12.00, 26.87, -8.11
CIELCh	12, 28.063, 343.208
Yxy	1.4064, 0.3884, 0.2236
Android (android.graphics.Color)	4282125355 (0xFF3C0C2B)
YUV	29.8860, 6.4652, 26.4100
Hunter-Lab	11.8591, 16.0161, -3.8956

Details

The CIELCh color **12, 28.063, 343.208** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **22, 28.256, 148.790**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 28.303, 343.848**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 30.237, 344.473**, and if you desaturate by 10%, it is **13, 25.460, 342.048**.

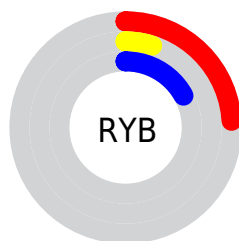
Distribution



Red (24%)

Green (5%)

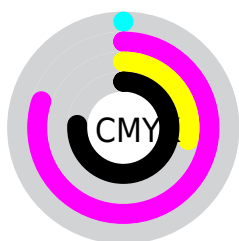
Blue (17%)



Red (24%)

Yellow (5%)

Blue (17%)

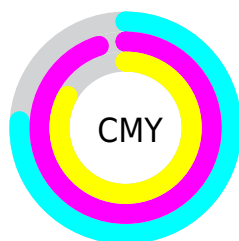


Cyan (0%)

Magenta (80%)

Yellow (28%)

Black (76%)



Cyan (76%)


Magenta (95%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 28.063, 343.208 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, 28.063, 343.208 by changing the saturation by 10% instead.

 12, 28.063,
343.208

 12, 28.063,
343.208

 100, 28.063,
343.208

 2, 28.063, 343.208


 32, 28.063,
343.208

 0, 28.063, 343.208

 42, 28.063,
343.208


 52, 28.063,
343.208


 62, 28.063,
343.208


 72, 28.063,
343.208


 82, 28.063,


343.208


 92, 28.063,
343.208


 12, 28.063,
343.208


 12, 28.063,
343.208


 11, 30.237,
344.473


 13, 25.460,
342.048


 10, 32.684,
345.557

 15, 22.357,
341.031

 10, 32.734,
345.576

 16, 18.896,
340.124

 18, 15.209,
339.298

 20, 11.400,
338.537

■ 22, 7.549, 337.825

■ 23, 3.714, 337.146

■ 25, 0.068, 158.820

■ 27, 3.772, 156.025

Harmonies

Complementary

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



12, 28.063, 343.208



22, 28.256, 148.790

Rectangle

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



12, 28.063, 343.208



12, 28.063, 33.208



12, 28.063, 163.208



12, 28.063, 213.208

Sweetspot

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



12, 28.062, 343.209



28, 11.516, 338.199



8, 35.321, 308.494



12, 7.987, 338.305



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, 28.062, 343.209



15, 38.041, 346.125



11, 25.295, 18.985



10, 2.130, 337.053



19, 43.736, 347.317



49, 80.270, 349.441

Inverse Universe

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



12, 28.062, 343.209



15, 38.041, 346.125



22, 17.766, 180.447



10, 2.130, 337.053



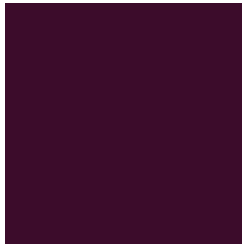
19, 43.736, 347.317



49, 80.270, 349.441

Previews

White Background



This preview shows how the CIELCh color 12, 28.063, 343.208 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 CIELCh color 12, 28.063, 343.208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

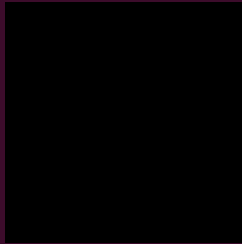
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 28.063, 343.208

Background



This preview shows how black text looks on a background with the CIELCh color 12, 28.063, 343.208.



This preview shows how white text looks on a background with the CIELCh color 12, 28.063, 343.208.

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, 28.063, 343.208

Protanopia

13, 18.137, 283.156

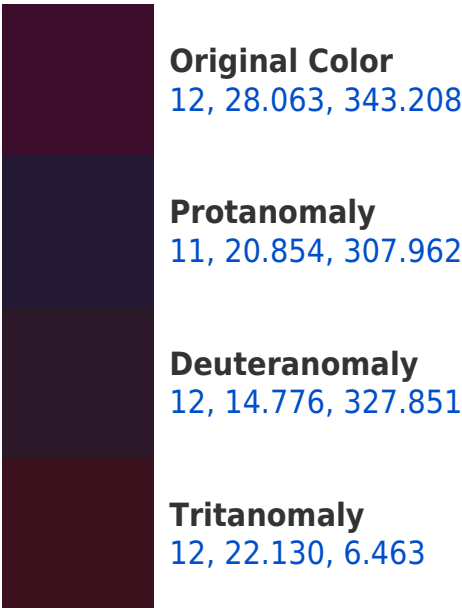
Deuteranopia

13, 5.754, 291.861

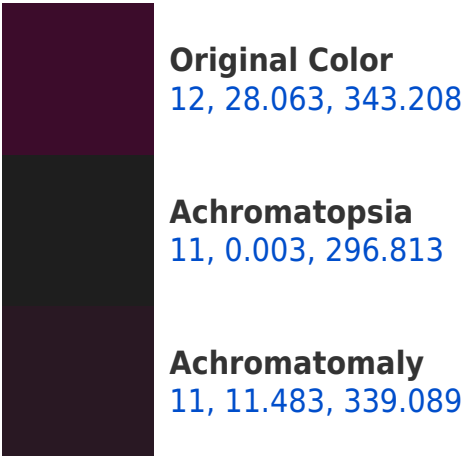


Tritanopia
12, 20.831, 24.603

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIElCh 12, 28.063, 343.208 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(60, 12, 43)` looks like.

```
.text, #text, p{  
    color:rgb(60, 12, 43)  
}
```

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(60, 12, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 12, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 28.063, 343.208 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(60, 12, 43) }
```

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

```
.border{ border-color:rgb(60, 12, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 12, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 12, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 12, 43);  
box-shadow:4px 4px 4px 4px rgb(60, 12, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 28.063, 343.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 12, 43) }
```

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

```
.background{ background-color: rgb(60, 12,  
43) }
```

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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