

Converting Colors

CIELCh(12, 33.063, 354.761)

Have a look what the booklet for
CIELCh(12, 33.063, 354.761)
contains.

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Color

CIELCh(12, 33.244, 353.760)

Conversions

Conversions Part 1

Format	Color
Hex	440125
RGB	68, 1, 37
RGB Percent	27%, 0%, 15%
CMY	0.7319, 0.9948, 0.8537
CMYK	0.00, 0.98, 0.45, 0.73
HSL	328°, 96%, 14%
HSV	328°, 98%, 27%
XYZ	2.7629, 1.4064, 1.9015
YIQ	25.1370, 28.3760, 25.4000

Conversions

Conversions Part 2

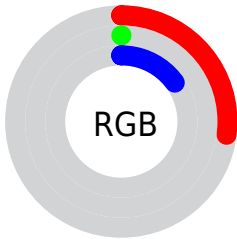
Format	Color
RYB	68, 1, 37
Decimal	4456741
CIELab	12.00, 33.05, -3.61
CIElCh	12, 33.244, 353.760
Yxy	1.4064, 0.4551, 0.2317
Android (android.graphics.Color)	4282646821 (0xFF440125)
YUV	25.1370, 5.8485, 37.5909
Hunter-Lab	11.8591, 20.8328, -1.2055

Details

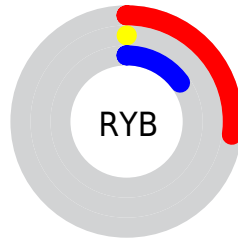
The CIELCh color **12, 33.244, 353.760** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **25, 33.303, 150.458**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 33.469, 353.497**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 33.717, 354.077**, and if you desaturate by 10%, it is **13, 31.002, 351.938**.

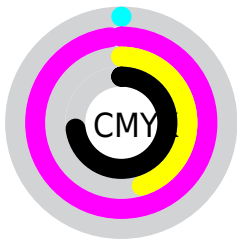
Distribution



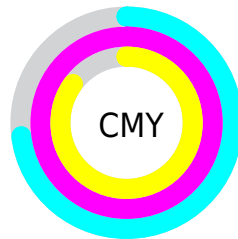
- Red (27%)
- Green (0%)
- Blue (15%)



- Red (27%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (98%)
- Yellow (45%)
- Black (73%)





- Cyan (73%)
- Magenta (99%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 33.244, 353.760 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, 33.244, 353.760 by changing the saturation by 10% instead.

 12, 33.244,
353.760


 12, 33.244,
353.760


 100, 33.244,
353.760


 2, 33.244, 353.760


 32, 33.244,
353.760

 0, 33.244, 353.760

 42, 33.244,
353.760


 52, 33.244,
353.760


 62, 33.244,
353.760


 72, 33.244,
353.760


 82, 33.244,


353.760


 92, 33.244,
353.760


 12, 33.244,
353.760

 12, 33.244,
353.760


 12, 33.717,
354.077

 13, 31.002,
351.938

 14, 28.820,
349.995

 16, 26.009,
348.369

 17, 22.682,
347.000

 19, 19.000,
345.823

■ 21, 15.107,
344.790

■ 23, 11.117,
343.867

■ 25, 7.111, 343.027

■ 27, 3.147, 342.236

Harmonies

Complementary

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



12, 33.244, 353.760



25, 33.303, 150.458

Rectangle

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



12, 33.244, 353.760



12, 33.244, 43.760



12, 33.244, 173.760



12, 33.244, 223.760

Sweetspot

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



12, 33.242, 353.761



30, 14.342, 344.056



7, 46.990, 311.753



13, 9.932, 344.246



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, 33.242, 353.761



17, 40.127, 355.596



11, 34.435, 26.944



12, 2.114, 342.268



19, 42.417, 356.015



49, 77.438, 359.096

Inverse Universe

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



12, 33.242, 353.761



17, 40.127, 355.596



25, 19.977, 189.861



12, 2.114, 342.268



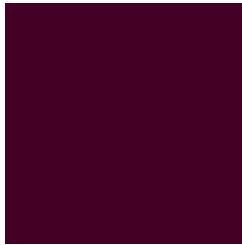
19, 42.417, 356.015



49, 77.438, 359.096

Previews

White Background



This preview shows how the CIELCh color 12, 33.244, 353.760 looks on a white background.

Color Contrast Check

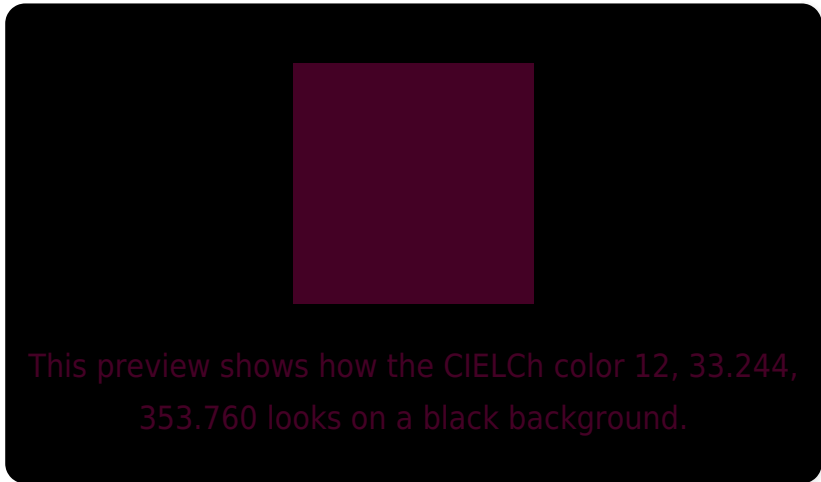
Large Text (above 18pt) WCAG AA ✓ Pass

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

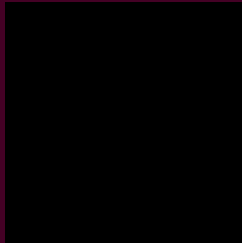
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 33.244, 353.760

Background



This preview shows how black text looks on a background with the CIELCh color 12, 33.244, 353.760.



This preview shows how white text looks on a background with the CIELCh color 12, 33.244, 353.760.

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, 33.244, 353.760

Protanopia

14, 13.643, 284.054

Deuteranopia

14, 2.618, 35.593



Tritanopia
13, 28.406, 28.672

Trichromacy



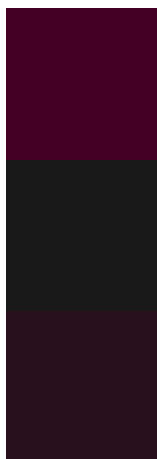
Original Color
12, 33.244, 353.760

Protanomaly
12, 19.918, 320.674

Deuteranomaly
12, 15.599, 351.753

Tritanomaly
12, 28.737, 15.575

Monochromacy



Original Color
12, 33.244, 353.760

Achromatopsia
9, 0.002, 296.813

Achromatomaly
8, 15.417, 347.580

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 33.244, 353.760 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(68, 1, 37)` looks like.

```
.text, #text, p{  
    color:rgb(68, 1, 37)  
}
```

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(68, 1, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 1, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 33.244, 353.760 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(68, 1, 37) }
```

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

```
.border{ border-color:rgb(68, 1, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 1, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 1, 37); -webkit-box-shadow:4px  
4px 4px 4px rgb(68, 1, 37); box-shadow:4px  
4px 4px 4px rgb(68, 1, 37) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 33.244, 353.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 1, 37) }
```

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

```
.background{ background-color: rgb(68, 1,  
37) }
```

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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