

Converting Colors

CIELCh(32, 42.226, 335.917)

Have a look what the booklet for
CIELCh(32, 42.226, 335.917)
contains.

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Color

CIELCh(32, 42.264, 335.944)

Conversions

Conversions Part 1

Format	Color
Hex	783067
RGB	120, 48, 103
RGB Percent	47%, 19%, 40%
CMY	0.5294, 0.8118, 0.5961
CMYK	0.00, 0.60, 0.14, 0.53
HSL	314°, 43%, 33%
HSV	314°, 60%, 47%
XYZ	11.2494, 7.0852, 13.6049
YIQ	75.7980, 25.2570, 32.3690

Conversions

Conversions Part 2

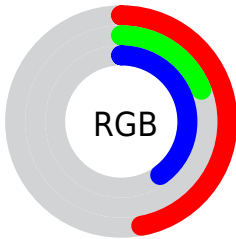
Format	Color
R_{YB}	120, 48, 103
Decimal	7876711
CIE Lab	32.00, 38.59, -17.23
CIE LCh	32, 42.264, 335.944
Yxy	7.0852, 0.3522, 0.2218
Android (android.graphics.Color)	4286066791 (0xFF783067)
YUV	75.7980, 13.4106, 38.7652
Hunter-Lab	26.6180, 28.8569, -11.6716

Details

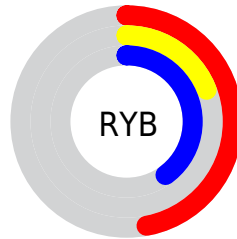
The CIELCh color **32, 42.264, 335.944** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **45, 42.527, 146.280**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 42.269, 335.937**, and **13, 39.564, 336.297** is the 20% darker color. If you saturate the color by 10%, you get **30, 47.496, 336.781**, and if you desaturate by 10%, it is **35, 36.080, 335.167**.

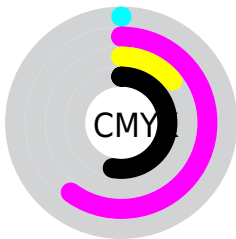
Distribution



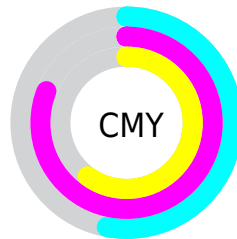
- Red (47%)
- Green (19%)
- Blue (40%)



- Red (47%)
- Yellow (19%)
- Blue (40%)



- Cyan (0%)
- Magenta (60%)
- Yellow (14%)
- Black (53%)





- Cyan (53%)
- Magenta (81%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 42.264, 335.944 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 32, 42.264, 335.944 by changing the saturation by 10% instead.


 32, 42.264,
335.944


 32, 42.264,
335.944

 100, 42.264,
335.944


 22, 42.264,
335.944

 52, 42.264,
335.944

 12, 42.264,
335.944

 62, 42.264,
335.944

 2, 42.264, 335.944

 72, 42.264,
335.944

 0, 42.264, 335.944

 82, 42.264,
335.944

 92, 42.264,
335.944

■ 32, 42.264,
335.944

■ 32, 42.264,
335.944

■ 30, 47.496,
336.781

■ 35, 36.080,
335.167

■ 28, 51.479,
337.703

■ 37, 29.257,
334.432

■ 27, 53.986,
338.747

■ 40, 22.060,
333.732

■ 26, 55.544,
339.876

■ 44, 14.694,
333.060

■ 26, 55.544,
339.876

■ 47, 7.309, 332.406

■ 50, 0.007, 296.445

■ 54, 7.155, 151.274

■ 57, 14.135,
150.705

■ 61, 20.918,
150.174

Harmonies

Complementary

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



32, 42.264, 335.944



45, 42.527, 146.280

Rectangle

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



32, 42.264, 335.944



32, 42.264, 25.944



32, 42.264, 155.944



32, 42.264, 205.944

Sweetspot

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



32, 42.262, 335.944



57, 16.346, 332.957



26, 47.075, 304.513



28, 11.457, 333.117



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



32, 42.262, 335.944



39, 59.340, 337.117



31, 33.685, 6.861



24, 4.182, 332.346



27, 57.142, 339.937



57, 95.351, 340.738

Inverse Universe

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



32, 42.262, 335.944



39, 59.340, 337.117



46, 27.732, 172.001



24, 4.182, 332.346



27, 57.142, 339.937



57, 95.351, 340.738

Previews

White Background



This preview shows how the CIELCh color 32, 42.264, 335.944 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 32, 42.264, 335.944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

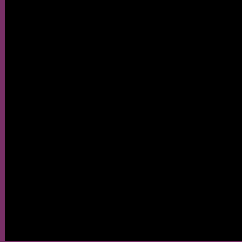
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 42.264, 335.944

Background



This preview shows how black text looks on a background with the CIELCh color 32, 42.264, 335.944.



This preview shows how white text looks on a background with the CIELCh color 32, 42.264, 335.944.

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

32, 42.264, 335.944

Protanopia

33, 31.154, 284.703

Deuteranopia

32, 15.216, 287.107



Tritanopia
32, 27.406, 19.600

Trichromacy



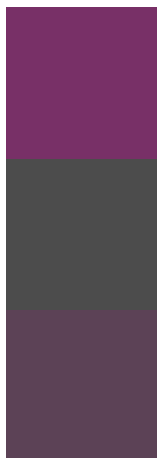
Original Color
32, 42.264, 335.944

Protanomaly
31, 32.889, 304.059

Deuteranomaly
31, 24.180, 316.682

Tritanomaly
32, 30.384, 358.224

Monochromacy



Original Color
32, 42.264, 335.944

Achromatopsia
32, 0.005, 296.813

Achromatomaly
31, 16.765, 333.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 42.264, 335.944 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(120, 48, 103)` looks like.

```
.text, #text, p{  
    color:rgb(120, 48, 103)  
}
```

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(120, 48, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 48, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 42.264, 335.944 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(120, 48, 103) }
```

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

```
.border{ border-color:rgb(120, 48, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 48, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 48, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 48, 103);  
box-shadow:4px 4px 4px 4px rgb(120, 48,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 42.264, 335.944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 48, 103) }
```

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

```
.background{ background-color: rgb(120, 48,  
103) }
```

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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