

Converting Colors

CIELCh(32, 43.386, 11.988)

Have a look what the booklet for
CIELCh(32, 43.386, 11.988) contains.

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Color

CIELCh(32, 43.327, 12.177)

Conversions

Conversions Part 1

Format	Color
Hex	88283F
RGB	136, 40, 63
RGB Percent	53%, 16%, 25%
CMY	0.4673, 0.8437, 0.7534
CMYK	0.00, 0.71, 0.54, 0.47
HSL	346°, 55%, 34%
HSV	346°, 71%, 53%
XYZ	11.7741, 7.0852, 5.4306
YIQ	71.3260, 49.8330, 27.5050

Conversions

Conversions Part 2

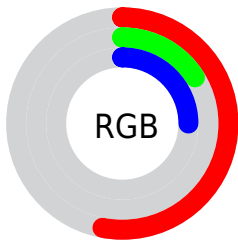
Format	Color
R_{YB}	136, 40, 63
Decimal	8923199
CIE _{Lab}	32.00, 42.35, 9.14
CIE _{LCh}	32, 43.327, 12.177
Yxy	7.0852, 0.4847, 0.2917
Android (android.graphics.Color)	4287113279 (0xFF88283F)
YUV	71.3260, -4.1047, 56.7191
Hunter-Lab	26.6180, 32.3755, 6.5362

Details

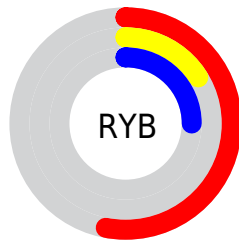
The CIELCh color **32, 43.327, 12.177** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **51, 33.645, 172.508**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 43.209, 12.334**, and **14, 37.770, 19.159** is the 20% darker color. If you saturate the color by 10%, you get **30, 48.330, 15.820**, and if you desaturate by 10%, it is **35, 37.615, 9.274**.

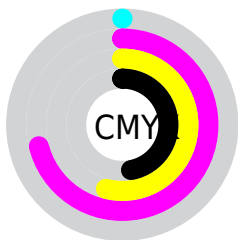
Distribution



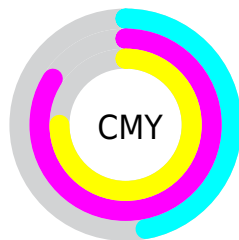
- Red (53%)
- Green (16%)
- Blue (25%)



- Red (53%)
- Yellow (16%)
- Blue (25%)



- Cyan (0%)
- Magenta (71%)
- Yellow (54%)
- Black (47%)



- Cyan (47%)
- Magenta (84%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 43.327, 12.177 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, 43.327, 12.177 by changing the saturation by 10% instead.

■ 32, 43.327, 12.177

■ 32, 43.327, 12.177

■ 100, 43.327,
12.177

■ 22, 43.327, 12.177

■ 52, 43.327, 12.177

■ 12, 43.327, 12.177

■ 62, 43.327, 12.177

■ 2, 43.327, 12.177

■ 72, 43.327, 12.177

■ 0, 43.327, 12.177

■ 82, 43.327, 12.177

■ 92, 43.327, 12.177

■ 32, 43.327, 12.177

■ 32, 43.327, 12.177

■ 30, 48.330, 15.820

■ 35, 37.615, 9.274

29, 52.521, 20.285

38, 31.430, 6.960

28, 56.121, 24.741

41, 25.019, 5.098

45, 18.589, 3.572

48, 12.286, 2.295

52, 6.201, 1.190

56, 0.380, 359.338

60, 5.164, 179.585

65, 10.431,
178.830

Harmonies

Complementary

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



32, 43.327, 12.177



51, 33.645, 172.508

Rectangle

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



32, 43.327, 12.177



32, 43.327, 62.177



32, 43.327, 192.177



32, 43.327, 242.177

Sweetspot

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



32, 43.325, 12.179



62, 15.450, 2.389



31, 60.955, 319.779



31, 10.591, 2.678



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



32, 43.325, 12.179



38, 61.679, 18.487



36, 40.727, 44.856



27, 3.307, 1.033



27, 55.096, 24.597



0, 1.504, 0.260

Inverse Universe

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



32, 43.325, 12.179



38, 61.679, 18.487



44, 24.141, 234.603



27, 3.307, 1.033



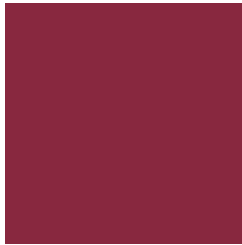
27, 55.096, 24.597



0, 1.504, 0.260

Previews

White Background



This preview shows how the CIELCh color 32, 43.327, 12.177 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, 43.327, 12.177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

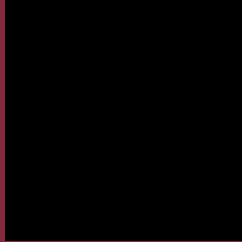
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 43.327, 12.177

Background



This preview shows how black text looks on a background with the CIELCh color 32, 43.327, 12.177.



This preview shows how white text looks on a background with the CIELCh color 32, 43.327, 12.177.

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, 43.327, 12.177

Protanopia

32, 3.163, 290.747

Deuteranopia

32, 12.603, 68.061



Tritanopia
32, 44.206, 26.954

Trichromacy



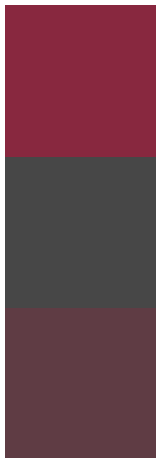
Original Color
32, 43.327, 12.177

Protanomaly
31, 17.056, 358.744

Deuteranomaly
31, 22.103, 24.976

Tritanomaly
32, 43.369, 21.809

Monochromacy



Original Color
32, 43.327, 12.177

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 16.731, 5.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 43.327, 12.177 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(136, 40, 63)` looks like.

```
.text, #text, p{  
    color:rgb(136, 40, 63)  
}
```

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(136, 40, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 40, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 43.327, 12.177 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(136, 40, 63) }
```

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

```
.border{ border-color:rgb(136, 40, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 40, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 40, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 40, 63);  
box-shadow:4px 4px 4px 4px rgb(136, 40,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 43.327, 12.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 40, 63) }
```

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

```
.background{ background-color: rgb(136, 40,  
63) }
```

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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