

Converting Colors

CIELCh(32, 45.114, 17.187)

Have a look what the booklet for
CIELCh(32, 45.114, 17.187) contains.

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Color

CIELCh(32, 45.252, 16.758)

Conversions

Conversions Part 1

Format	Color
Hex	8A2639
RGB	138, 38, 57
RGB Percent	54%, 15%, 22%
CMY	0.4588, 0.8509, 0.7765
CMYK	0.00, 0.72, 0.59, 0.46
HSL	349°, 57%, 35%
HSV	349°, 72%, 54%
XYZ	11.9132, 7.0852, 4.6108
YIQ	70.0660, 53.5010, 27.1090

Conversions

Conversions Part 2

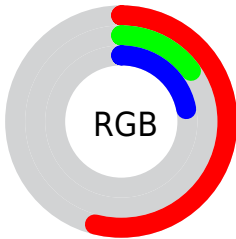
Format	Color
R_{YB}	138, 38, 57
Decimal	9053753
CIE Lab	32.00, 43.33, 13.05
CIE LCh	32, 45.252, 16.758
Yxy	7.0852, 0.5046, 0.3001
Android (android.graphics.Color)	4287243833 (0xFF8A2639)
YUV	70.0660, -6.4415, 59.5781
Hunter-Lab	26.6180, 33.3087, 8.3623

Details

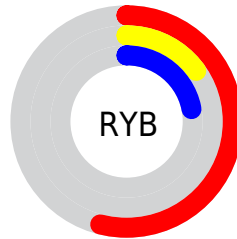
The CIELCh color **32, 45.252, 16.758** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **52, 33.029, 176.553**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 45.089, 16.785**, and **15, 39.202, 24.534** is the 20% darker color. If you saturate the color by 10%, you get **30, 50.577, 20.642**, and if you desaturate by 10%, it is **35, 39.290, 13.635**.

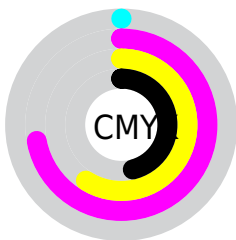
Distribution



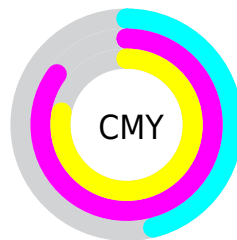
- Red (54%)
- Green (15%)
- Blue (22%)



- Red (54%)
- Yellow (15%)
- Blue (22%)



- Cyan (0%)
- Magenta (72%)
- Yellow (59%)
- Black (46%)



- Cyan (46%)
- Magenta (85%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 45.252, 16.758 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, 45.252, 16.758 by changing the saturation by 10% instead.

■ 32, 45.252, 16.758

■ 32, 45.252, 16.758

■ 100, 45.252,
16.758

■ 22, 45.252, 16.758

■ 52, 45.252, 16.758

■ 12, 45.252, 16.758

■ 62, 45.252, 16.758

■ 2, 45.252, 16.758

■ 72, 45.252, 16.758

■ 0, 45.252, 16.758

■ 82, 45.252, 16.758

■ 92, 45.252, 16.758

■ 32, 45.252, 16.758

■ 32, 45.252, 16.758

■ 30, 50.577, 20.642

■ 35, 39.290, 13.635

29, 55.182, 25.285

38, 32.905, 11.149

28, 58.528, 28.779

41, 26.331, 9.165

45, 19.774, 7.560

48, 13.381, 6.236

52, 7.239, 5.112

56, 1.393, 3.952

61, 4.146, 183.519

65, 9.385, 182.761

Harmonies

Complementary

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



32, 45.252, 16.758



52, 33.029, 176.553

Rectangle

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



32, 45.252, 16.758



32, 45.252, 66.758



32, 45.252, 196.758



32, 45.252, 246.758

Sweetspot

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



32, 45.250, 16.760



62, 16.173, 6.237



32, 62.976, 321.357



31, 10.883, 6.519



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, 45.250, 16.760



39, 64.756, 23.536



37, 41.562, 48.790



27, 3.245, 4.767



27, 56.750, 28.551



0, 1.472, 4.016

Inverse Universe

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



32, 45.250, 16.760



39, 64.756, 23.536



43, 25.458, 243.618



27, 3.245, 4.767



27, 56.750, 28.551



0, 1.472, 4.016

Previews

White Background



This preview shows how the CIELCh color 32, 45.252, 16.758 looks on a white background.

Color Contrast Check

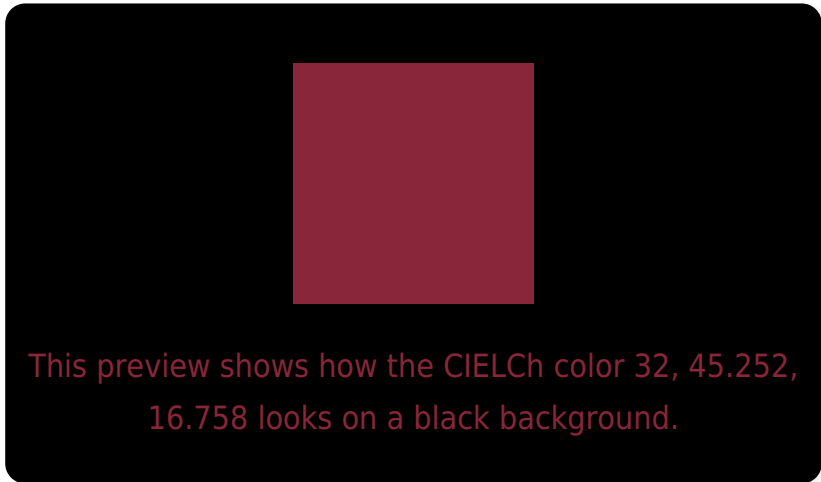
Large Text (above 18pt) WCAG AA ✓ Pass

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

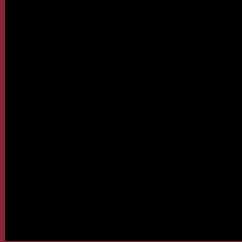
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 45.252, 16.758

Background



This preview shows how black text looks on a background with the CIELCh color 32, 45.252, 16.758.



This preview shows how white text looks on a background with the CIELCh color 32, 45.252, 16.758.

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, 45.252, 16.758

Protanopia

32, 1.072, 55.192

Deuteranopia

32, 16.342, 72.919



Tritanopia
32, 46.364, 28.380

Trichromacy



Original Color
32, 45.252, 16.758

Protanomaly
31, 17.851, 10.637

Deuteranomaly
31, 24.582, 32.231

Tritanomaly
32, 45.568, 24.305

Monochromacy



Original Color
32, 45.252, 16.758

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 17.621, 8.368

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 45.252, 16.758 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(138, 38, 57)` looks like.

```
.text, #text, p{  
    color:rgb(138, 38, 57)  
}
```

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(138, 38, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 38, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 45.252, 16.758 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(138, 38, 57) }
```

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

```
.border{ border-color:rgb(138, 38, 57) }
```

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

Here you see how a box with a 4 pixel rgb(138, 38, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 38, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 38, 57);  
box-shadow:4px 4px 4px 4px rgb(138, 38,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 45.252, 16.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 38, 57) }
```

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

```
.background{ background-color: rgb(138, 38,  
57) }
```

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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