

Converting Colors

CIELCh(45, 27.396, 62.036)

Have a look what the booklet for
CIELCh(45, 27.396, 62.036) contains.

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Color

CIELCh(45, 27.345, 62.137)

Conversions

Conversions Part 1

Format	Color
Hex	8B6243
RGB	139, 98, 67
RGB Percent	55%, 38%, 26%
CMY	0.4562, 0.6168, 0.7384
CMYK	0.00, 0.30, 0.52, 0.46
HSL	26°, 35%, 40%
HSV	26°, 52%, 54%
XYZ	15.9364, 14.5417, 7.2325
YIQ	106.7250, 34.3870, -0.9490

Conversions

Conversions Part 2

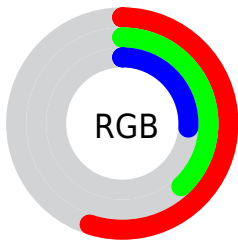
Format	Color
R_{YB}	139, 121, 67
Decimal	9134659
CIE _{Lab}	45.00, 12.78, 24.17
CIE _{LCh}	45, 27.345, 62.137
Yxy	14.5417, 0.4226, 0.3856
Android (android.graphics.Color)	4287324739 (0xFF8B6243)
YUV	106.7250, -19.5844, 28.3052
Hunter-Lab	38.1336, 7.8631, 15.4485

Details

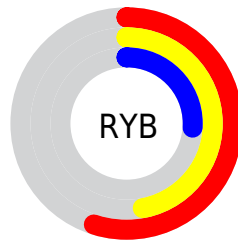
The CIELCh color **45, 27.345, 62.137** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **44, 22.055, 256.642**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 27.009, 62.400**, and **25, 27.178, 61.666** is the 20% darker color. If you saturate the color by 10%, you get **43, 33.488, 61.147**, and if you desaturate by 10%, it is **47, 21.455, 63.146**.

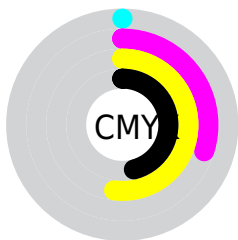
Distribution



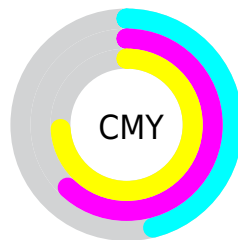
- Red (55%)
- Green (38%)
- Blue (26%)



- Red (55%)
- Yellow (47%)
- Blue (26%)



- Cyan (0%)
- Magenta (30%)
- Yellow (52%)
- Black (46%)



- Cyan (46%)
- Magenta (62%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 27.345, 62.137 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 45, 27.345, 62.137 by changing the saturation by 10% instead.

■ 45, 27.345, 62.137

■ 45, 27.345, 62.137

■ 100, 27.345,
62.137

■ 35, 27.345, 62.137

■ 65, 27.345, 62.137

■ 25, 27.345, 62.137

■ 75, 27.345, 62.137

■ 15, 27.345, 62.137

■ 85, 27.345, 62.137

■ 5, 27.345, 62.137

■ 95, 27.345, 62.137

■ 0, 27.345, 62.137

■ 45, 27.345, 62.137

■ 45, 27.345, 62.137

■ 43, 33.488, 61.147

■ 47, 21.455, 63.146

■ 41, 39.765, 60.117

■ 50, 15.865, 64.171

■ 39, 45.903, 58.939

■ 52, 10.579, 65.210

■ 37, 51.372, 57.374

■ 55, 5.585, 66.244

■ 35, 55.604, 56.197

■ 57, 0.859, 66.989

■ 60, 3.624, 248.505

■ 62, 7.891, 249.494

■ 65, 11.965,
250.494

■ 68, 15.870,
251.472

Harmonies

Complementary

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



45, 27.345, 62.137



44, 22.055, 256.642

Rectangle

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



45, 27.345, 62.137



45, 27.345, 112.137



45, 27.345, 242.137



45, 27.345, 292.137

Sweetspot

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



45, 27.345, 62.142



69, 9.464, 65.785



39, 37.389, 344.171



36, 6.473, 65.599



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



45, 27.345, 62.142



55, 41.860, 60.999



55, 36.747, 101.347



28, 2.616, 66.517



34, 53.764, 56.367



1, 1.189, 67.555

Inverse Universe

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



44, 22.055, 256.642



53, 32.039, 260.065



33, 41.323, 294.363



28, 2.538, 248.684



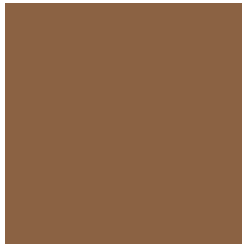
31, 37.687, 274.897



1, 1.189, 247.571

Previews

White Background



This preview shows how the CIELCh color 45, 27.345, 62.137 looks on a white background.

Color Contrast Check

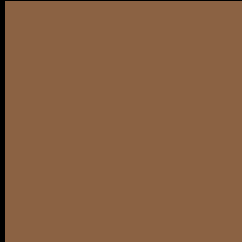
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 45, 27.345, 62.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

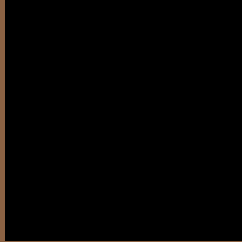
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.345, 62.137

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.345, 62.137.



This preview shows how white text looks on a background with the CIELCh color 45, 27.345, 62.137.

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

45, 27.345, 62.137

Protanopia

45, 22.158, 96.236

Deuteranopia

45, 25.095, 76.492



Tritanopia
45, 21.063, 11.160

Trichromacy



Original Color
45, 27.345, 62.137

Protanomaly
45, 22.829, 82.995

Deuteranomaly
45, 25.920, 70.078

Tritanomaly
45, 20.823, 33.284

Monochromacy



Original Color
45, 27.345, 62.137

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 9.304, 64.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.345, 62.137 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(139, 98, 67)` looks like.

```
.text, #text, p{  
    color:rgb(139, 98, 67)  
}
```

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(139, 98, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 98, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.345, 62.137 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(139, 98, 67) }
```

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

```
.border{ border-color:rgb(139, 98, 67) }
```

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

Here you see how a box with a 4 pixel rgb(139, 98, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 98, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 98, 67);  
box-shadow:4px 4px 4px 4px rgb(139, 98,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.345, 62.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 98, 67) }
```

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

```
.background{ background-color: rgb(139, 98,  
67) }
```

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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