

Converting Colors

CIELCh(45, 28.694, 66.242)

Have a look what the booklet for
CIELCh(45, 28.694, 66.242) contains.

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Color

CIELCh(45, 28.813, 65.509)

Conversions

Conversions Part 1

Format	Color
Hex	8A623F
RGB	138, 98, 63
RGB Percent	54%, 38%, 25%
CMY	0.4582, 0.6151, 0.7524
CMYK	0.00, 0.29, 0.54, 0.46
HSL	28°, 37%, 39%
HSV	28°, 54%, 54%
XYZ	15.7920, 14.5417, 6.6982
YIQ	105.9700, 35.0750, -2.4050

Conversions

Conversions Part 2

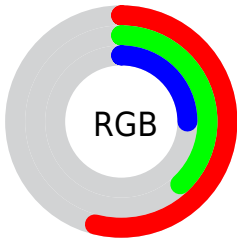
Format	Color
R_{YB}	138, 129, 63
Decimal	9069119
CIE Lab	45.00, 11.94, 26.22
CIE LCh	45, 28.813, 65.509
Yxy	14.5417, 0.4264, 0.3927
Android (android.graphics.Color)	4287259199 (0xFF8A623F)
YUV	105.9700, -21.1842, 28.0903
Hunter-Lab	38.1336, 7.1870, 16.2792

Details

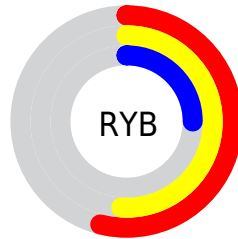
The CIELCh color **45, 28.813, 65.509** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **42, 23.874, 261.792**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 29.127, 65.776**, and **25, 28.650, 64.909** is the 20% darker color. If you saturate the color by 10%, you get **43, 34.878, 64.355**, and if you desaturate by 10%, it is **47, 22.932, 66.653**.

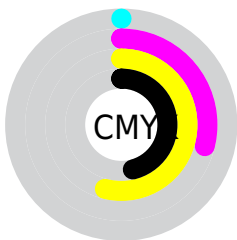
Distribution



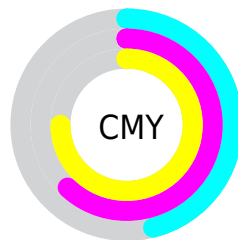
- Red (54%)
- Green (38%)
- Blue (25%)



- Red (54%)
- Yellow (51%)
- Blue (25%)



- Cyan (0%)
- Magenta (29%)
- Yellow (54%)
- Black (46%)



- Cyan (46%)
- Magenta (62%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 28.813, 65.509 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, 28.813, 65.509 by changing the saturation by 10% instead.

■ 45, 28.813, 65.509

■ 45, 28.813, 65.509

■ 100, 28.813,
65.509

■ 35, 28.813, 65.509

■ 65, 28.813, 65.509

■ 25, 28.813, 65.509

■ 75, 28.813, 65.509

■ 15, 28.813, 65.509

■ 85, 28.813, 65.509

■ 5, 28.813, 65.509

■ 95, 28.813, 65.509

■ 0, 28.813, 65.509

■ 45, 28.813, 65.509

■ 45, 28.813, 65.509

■ 43, 34.878, 64.355

■ 47, 22.932, 66.653

■ 41, 40.967, 63.121

■ 49, 17.303, 67.792

■ 39, 46.749, 61.676

■ 52, 11.944, 68.932

■ 37, 51.663, 59.784

■ 54, 6.851, 70.060

■ 36, 54.531, 58.901

■ 57, 2.006, 71.091

■ 59, 2.612, 252.476

■ 61, 7.025, 253.501

■ 64, 11.258,
254.551

■ 66, 15.329,
255.576

Harmonies

Complementary

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



45, 28.813, 65.509



42, 23.874, 261.792

Rectangle

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



45, 28.813, 65.509



45, 28.813, 115.509



45, 28.813, 245.509



45, 28.813, 295.509

Sweetspot

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



45, 28.813, 65.514



68, 9.498, 69.832



38, 37.753, 347.374



35, 6.416, 69.635



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



45, 28.813, 65.514



55, 43.633, 64.107



55, 39.873, 103.661



28, 2.661, 70.621



35, 52.882, 59.060



1, 1.212, 71.718

Inverse Universe

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



42, 23.874, 261.792



50, 34.651, 265.592



31, 45.881, 296.823



28, 2.595, 252.900



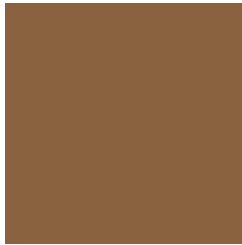
30, 40.487, 279.177



1, 1.213, 251.732

Previews

White Background



This preview shows how the CIELCh color 45, 28.813, 65.509 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, 28.813, 65.509 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, 28.813, 65.509

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.813, 65.509.



This preview shows how white text looks on a background with the CIELCh color 45, 28.813, 65.509.

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, 28.813, 65.509

Protanopia

45, 24.408, 96.824

Deuteranopia

45, 27.408, 77.575



Tritanopia
45, 20.596, 10.817

Trichromacy



Original Color
45, 28.813, 65.509

Protanomaly
45, 24.981, 84.653

Deuteranomaly
45, 28.037, 73.759

Tritanomaly
45, 20.763, 36.498

Monochromacy



Original Color
45, 28.813, 65.509

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 10.214, 68.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.813, 65.509 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, 98, 63)` looks like.

```
.text, #text, p{  
    color:rgb(138, 98, 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(138, 98, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 98, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.813, 65.509 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, 98, 63) }
```

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

```
.border{ border-color:rgb(138, 98, 63) }
```

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

Here you see how a box with a 4 pixel rgb(138, 98, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 98, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 98, 63);  
box-shadow:4px 4px 4px 4px rgb(138, 98,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.813, 65.509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 98, 63) }
```

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

```
.background{ background-color: rgb(138, 98,  
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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