

Converting Colors

CIELCh(45, 26.918, 80.731)

Have a look what the booklet for
CIELCh(45, 26.918, 80.731) contains.

CIELCh(45, 26.924, 81.562)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 26.924, 81.562)

Conversions

Conversions Part 1

Format	Color
Hex	7F673E
RGB	127, 103, 62
RGB Percent	50%, 40%, 24%
CMY	0.5022, 0.5963, 0.7571
CMYK	0.00, 0.19, 0.51, 0.50
HSL	38°, 34%, 37%
HSV	38°, 51%, 50%
XYZ	14.4539, 14.5417, 6.5939
YIQ	105.5020, 27.4650, -7.6630

Conversions

Conversions Part 2

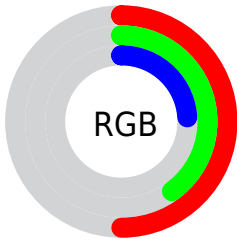
Format	Color
RYB	100, 127, 62
Decimal	8349502
CIELab	45.00, 3.95, 26.63
CIELCh	45, 26.924, 81.562
Yxy	14.5417, 0.4061, 0.4086
Android (android.graphics.Color)	4286539582 (0xFF7F673E)
YUV	105.5020, -21.4465, 18.8537
Hunter-Lab	38.1336, 0.9237, 16.4414

Details

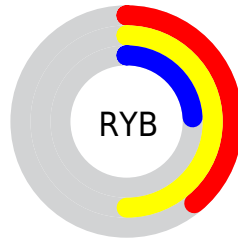
The CIELCh color **45, 26.924, 81.562** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **36, 26.121, 277.267**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 27.076, 82.053**, and **25, 27.168, 81.027** is the 20% darker color. If you saturate the color by 10%, you get **44, 32.360, 80.155**, and if you desaturate by 10%, it is **47, 21.467, 82.927**.

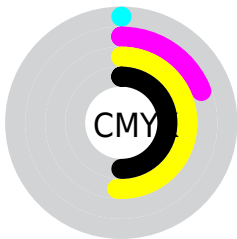
Distribution



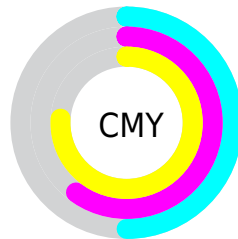
- Red (50%)
- Green (40%)
- Blue (24%)



- Red (39%)
- Yellow (50%)
- Blue (24%)



- Cyan (0%)
- Magenta (19%)
- Yellow (51%)
- Black (50%)



- Cyan (50%)
- Magenta (60%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 26.924, 81.562 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, 26.924, 81.562 by changing the saturation by 10% instead.

■ 45, 26.924, 81.562 ■ 45, 26.924, 81.562

■ 100, 26.924, 81.562 ■ 35, 26.924, 81.562

■ 65, 26.924, 81.562 ■ 25, 26.924, 81.562

■ 75, 26.924, 81.562 ■ 15, 26.924, 81.562

■ 85, 26.924, 81.562 ■ 5, 26.924, 81.562

■ 95, 26.924, 81.562 ■ 0, 26.924, 81.562

■ 45, 26.924, 81.562 ■ 45, 26.924, 81.562

■ 44, 32.360, 80.155 ■ 47, 21.467, 82.927

■ 42, 37.608, 78.660 ■ 48, 16.075, 84.248

41, 42.377, 77.013

50, 10.789, 85.531

39, 46.207, 75.082

51, 5.627, 86.767

38, 49.191, 73.349

53, 0.590, 87.688

55, 4.325, 269.224

56, 9.125, 270.322

58, 13.820,
271.388

60, 18.418,
272.408

Harmonies

Complementary

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



45, 26.924, 81.562



36, 26.121, 277.267

Rectangle

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



45, 26.924, 81.562



45, 26.924, 131.562



45, 26.924, 261.562



45, 26.924, 311.562

Sweetspot

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



45, 26.924, 81.566



65, 9.424, 86.260



35, 31.141, 356.543



34, 6.495, 86.041



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 26.924, 81.566



56, 40.130, 79.973



51, 36.479, 110.954



26, 2.834, 87.016



38, 49.350, 73.334



0, 0.000, 0.000

Inverse Universe

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



36, 26.121, 277.267



43, 38.988, 280.365



30, 41.564, 300.342



25, 2.824, 269.346



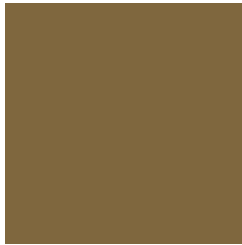
22, 53.349, 293.206



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 26.924, 81.562 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 CIE LCh color 45, 26.924, 81.562 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, 26.924, 81.562

Background



This preview shows how black text looks on a background with the CIELCh color 45, 26.924, 81.562.



This preview shows how white text looks on a background with the CIELCh color 45, 26.924, 81.562.

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, 26.924, 81.562

Protanopia

45, 26.168, 96.143

Deuteranopia

45, 27.408, 77.575



Tritanopia
45, 14.552, 4.891

Trichromacy



Original Color
45, 26.924, 81.562

Protanomaly
45, 26.237, 90.905

Deuteranomaly
45, 27.156, 78.435

Tritanomaly
45, 15.044, 46.321

Monochromacy



Original Color
45, 26.924, 81.562

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 9.773, 85.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 26.924, 81.562 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(127, 103, 62)` looks like.

```
.text, #text, p{  
    color:rgb(127, 103, 62)  
}
```

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(127, 103, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 103, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 26.924, 81.562 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(127, 103, 62) }
```

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

```
.border{ border-color:rgb(127, 103, 62) }
```

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

Here you see how a box with a 4 pixel rgb(127, 103, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 103, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 103, 62);  
box-shadow:4px 4px 4px 4px rgb(127, 103,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 26.924, 81.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 103, 62) }
```

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

```
.background{ background-color: rgb(127,  
103, 62) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor