

Converting Colors

CIELCh(45, 34.578, 82.630)

Have a look what the booklet for
CIELCh(45, 34.578, 82.630) contains.

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Color

CIELCh(45, 34.526, 82.245)

Conversions

Conversions Part 1

Format	Color
Hex	826630
RGB	130, 102, 48
RGB Percent	51%, 40%, 19%
CMY	0.4890, 0.5989, 0.8107
CMYK	0.00, 0.22, 0.63, 0.49
HSL	40°, 46%, 35%
HSV	40°, 63%, 51%
XYZ	14.5693, 14.5417, 4.8635
YIQ	104.2160, 34.0220, -10.8580

Conversions

Conversions Part 2

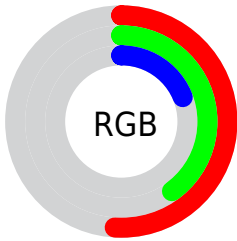
Format	Color
RYB	91, 130, 48
Decimal	8545840
CIELab	45.00, 4.66, 34.21
CIElCh	45, 34.526, 82.245
Yxy	14.5417, 0.4288, 0.4280
Android (android.graphics.Color)	4286735920 (0xFF826630)
YUV	104.2160, -27.7145, 22.6126
Hunter-Lab	38.1336, 1.4636, 19.1317

Details

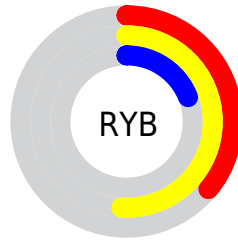
The CIELCh color **45, 34.526, 82.245** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **33, 34.437, 282.677**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 34.585, 82.611**, and **25, 34.528, 81.480** is the 20% darker color. If you saturate the color by 10%, you get **44, 39.770, 80.746**, and if you desaturate by 10%, it is **46, 28.994, 83.665**.

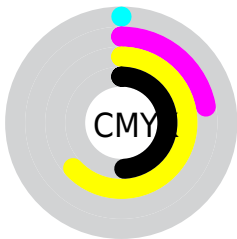
Distribution



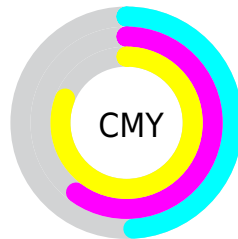
- Red (51%)
- Green (40%)
- Blue (19%)



- Red (36%)
- Yellow (51%)
- Blue (19%)



- Cyan (0%)
- Magenta (22%)
- Yellow (63%)
- Black (49%)



- Cyan (49%)
- Magenta (60%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 34.526, 82.245 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, 34.526, 82.245 by changing the saturation by 10% instead.

■ 45, 34.526, 82.245

■ 45, 34.526, 82.245

■ 100, 34.526,
82.245

■ 35, 34.526, 82.245

■ 65, 34.526, 82.245

■ 25, 34.526, 82.245

■ 75, 34.526, 82.245

■ 15, 34.526, 82.245

■ 85, 34.526, 82.245

■ 5, 34.526, 82.245

■ 95, 34.526, 82.245

■ 0, 34.526, 82.245

■ 45, 34.526, 82.245

■ 45, 34.526, 82.245

■ 44, 39.770, 80.746

■ 46, 28.994, 83.665

■ 42, 44.386, 79.086

■ 48, 23.374, 85.028

41, 47.885, 77.139

49, 17.777, 86.350

40, 50.156, 75.787

51, 12.259, 87.634

52, 6.844, 88.874

54, 1.542, 89.993

56, 3.648, 271.325

57, 8.729, 272.416

59, 13.709,
273.479

Harmonies

Complementary

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



45, 34.526, 82.245



33, 34.437, 282.677

Rectangle

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



45, 34.526, 82.245



45, 34.526, 132.245



45, 34.526, 262.245



45, 34.526, 312.245

Sweetspot

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



45, 34.526, 82.249



65, 12.456, 88.078



33, 38.142, 1.383



33, 8.555, 87.776



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, 34.526, 82.249



55, 50.714, 79.984



52, 44.877, 111.827



27, 3.007, 89.329



40, 50.086, 75.793



0, 0.716, 90.455

Inverse Universe

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



33, 34.437, 282.677



37, 52.014, 287.352



26, 53.124, 302.910



26, 3.005, 271.643



22, 56.775, 295.006



0, 0.716, 270.463

Previews

White Background



This preview shows how the CIELCh color 45, 34.526, 82.245 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, 34.526, 82.245 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, 34.526, 82.245

Background



This preview shows how black text looks on a background with the CIELCh color 45, 34.526, 82.245.



This preview shows how white text looks on a background with the CIELCh color 45, 34.526, 82.245.

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, 34.526, 82.245

Protanopia

45, 33.254, 96.307

Deuteranopia

45, 34.974, 80.808



Tritanopia
45, 17.211, 5.908

Trichromacy



Original Color
45, 34.526, 82.245

Protanomaly
45, 33.471, 91.247

Deuteranomaly
45, 34.747, 81.521

Tritanomaly
45, 18.167, 48.018

Monochromacy



Original Color
45, 34.526, 82.245

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 12.362, 85.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 34.526, 82.245 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(130, 102, 48)` looks like.

```
.text, #text, p{  
    color:rgb(130, 102, 48)  
}
```

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(130, 102, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 102, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 34.526, 82.245 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(130, 102, 48) }
```

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

```
.border{ border-color:rgb(130, 102, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 102, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 102, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 102, 48);  
box-shadow:4px 4px 4px 4px rgb(130, 102,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 34.526, 82.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 102, 48) }
```

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

```
.background{ background-color: rgb(130,  
102, 48) }
```

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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