

Converting Colors

CIELCh(45, 24.466, 85.028)

Have a look what the booklet for
CIELCh(45, 24.466, 85.028) contains.

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Color

CIELCh(45, 24.249, 85.294)

Conversions

Conversions Part 1

Format	Color
Hex	7B6842
RGB	123, 104, 66
RGB Percent	48%, 41%, 26%
CMY	0.5171, 0.5916, 0.7407
CMYK	0.00, 0.15, 0.46, 0.52
HSL	40°, 30%, 37%
HSV	40°, 46%, 48%
XYZ	14.1376, 14.5417, 7.2345
YIQ	105.3490, 23.5220, -7.7900

Conversions

Conversions Part 2

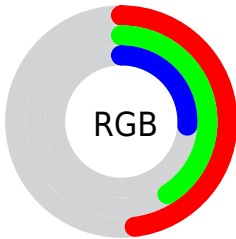
Format	Color
RYB	95, 123, 66
Decimal	8087618
CIELab	45.00, 1.99, 24.17
CIELCh	45, 24.249, 85.294
Yxy	14.5417, 0.3937, 0.4049
Android (android.graphics.Color)	4286277698 (0xFF7B6842)
YUV	105.3490, -19.3991, 15.4799
Hunter-Lab	38.1336, -0.5570, 15.4453

Details

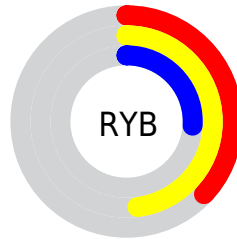
The CIELCh color **45, 24.249, 85.294** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **36, 24.094, 278.858**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 24.079, 84.845**, and **25, 23.899, 85.478** is the 20% darker color. If you saturate the color by 10%, you get **44, 29.613, 83.934**, and if you desaturate by 10%, it is **46, 18.872, 86.621**.

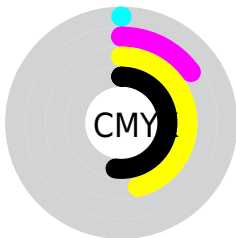
Distribution



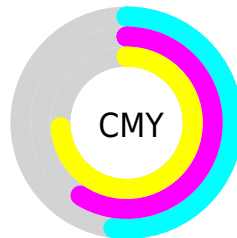
- Red (48%)
- Green (41%)
- Blue (26%)



- Red (37%)
- Yellow (48%)
- Blue (26%)



- Cyan (0%)
- Magenta (15%)
- Yellow (46%)
- Black (52%)



- Cyan (52%)
- Magenta (59%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 24.249, 85.294 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, 24.249, 85.294 by changing the saturation by 10% instead.

■ 45, 24.249, 85.294

■ 45, 24.249, 85.294

■ 100, 24.249,
85.294

■ 35, 24.249, 85.294

■ 65, 24.249, 85.294

■ 25, 24.249, 85.294

■ 75, 24.249, 85.294

■ 15, 24.249, 85.294

■ 85, 24.249, 85.294

■ 5, 24.249, 85.294

■ 95, 24.249, 85.294

■ 0, 24.249, 85.294

■ 45, 24.249, 85.294

■ 45, 24.249, 85.294

■ 44, 29.613, 83.934

■ 46, 18.872, 86.621

■ 42, 34.835, 82.511

■ 48, 13.549, 87.906

41, 39.688, 80.990

49, 8.312, 89.150

40, 43.806, 79.290

51, 3.177, 90.329

39, 46.936, 77.357

52, 1.855, 271.644

38, 48.190, 76.715

54, 6.786, 272.702

55, 11.621,
273.768

57, 16.367,
274.792

58, 21.031,
275.769

Harmonies

Complementary

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



45, 24.249, 85.294



36, 24.094, 278.858

Rectangle

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



45, 24.249, 85.294



45, 24.249, 135.294



45, 24.249, 265.294



45, 24.249, 315.294

Sweetspot

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



45, 24.249, 85.299



64, 8.855, 89.388



36, 27.192, 358.003



33, 6.173, 89.167



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 24.249, 85.299



56, 36.621, 83.785



50, 32.513, 112.792



25, 2.835, 90.015



39, 48.698, 76.670



75, 81.885, 75.036

Inverse Universe

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



36, 24.094, 278.858



43, 36.581, 281.620



31, 36.354, 300.586



24, 2.836, 272.286



20, 55.665, 295.338



43, 99.048, 297.301

Previews

White Background



This preview shows how the CIELCh color 45, 24.249, 85.294 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, 24.249, 85.294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

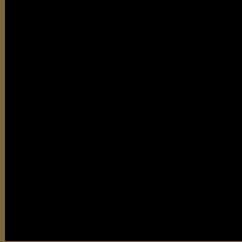
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 24.249, 85.294

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.249, 85.294.



This preview shows how white text looks on a background with the CIELCh color 45, 24.249, 85.294.

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, 24.249, 85.294

Protanopia

45, 23.847, 96.694

Deuteranopia

45, 24.583, 75.944



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 24.249, 85.294

Protanomaly
45, 23.761, 92.070

Deuteranomaly
45, 24.297, 79.361

Tritanomaly
45, 12.338, 46.062

Monochromacy



Original Color
45, 24.249, 85.294

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 8.866, 88.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 24.249, 85.294 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(123, 104, 66)` looks like.

```
.text, #text, p{  
    color:rgb(123, 104, 66)  
}
```

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(123, 104, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 104, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.249, 85.294 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(123, 104, 66) }
```

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

```
.border{ border-color:rgb(123, 104, 66) }
```

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

Here you see how a box with a 4 pixel rgb(123, 104, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 104, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 104, 66);  
box-shadow:4px 4px 4px 4px rgb(123, 104,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.249, 85.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 104, 66) }
```

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

```
.background{ background-color: rgb(123,  
104, 66) }
```

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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