

Converting Colors

CIELCh(45, 37.003, 87.983)

Have a look what the booklet for
CIELCh(45, 37.003, 87.983) contains.

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Color

CIELCh(45, 36.753, 88.043)

Conversions

Conversions Part 1

Format	Color
Hex	7E682B
RGB	126, 104, 43
RGB Percent	49%, 41%, 17%
CMY	0.5054, 0.5917, 0.8310
CMYK	0.00, 0.17, 0.66, 0.51
HSL	44°, 49%, 33%
HSV	44°, 66%, 49%
XYZ	14.0203, 14.5417, 4.3633
YIQ	103.6240, 32.6930, -14.3070

Conversions

Conversions Part 2

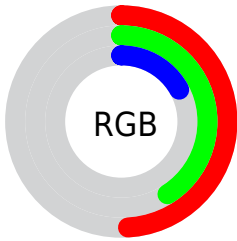
Format	Color
R_{YB}	73, 126, 43
Decimal	8284203
CIE Lab	45.00, 1.26, 36.73
CIE LCh	45, 36.753, 88.043
Yxy	14.5417, 0.4258, 0.4417
Android (android.graphics.Color)	4286474283 (0xFF7E682B)
YUV	103.6240, -29.8876, 19.6238
Hunter-Lab	38.1336, -1.1058, 19.9095

Details

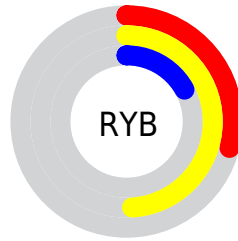
The CIELCh color **45, 36.753, 88.043** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **29, 39.262, 288.555**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 36.940, 88.169**, and **25, 34.101, 87.132** is the 20% darker color. If you saturate the color by 10%, you get **44, 41.617, 86.650**, and if you desaturate by 10%, it is **46, 31.401, 89.380**.

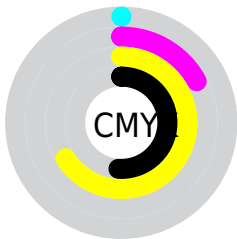
Distribution



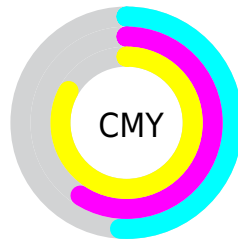
- Red (49%)
- Green (41%)
- Blue (17%)



- Red (29%)
- Yellow (49%)
- Blue (17%)



- Cyan (0%)
- Magenta (17%)
- Yellow (66%)
- Black (51%)



- Cyan (51%)
- Magenta (59%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 36.753, 88.043 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, 36.753, 88.043 by changing the saturation by 10% instead.

■ 45, 36.753, 88.043

■ 45, 36.753, 88.043

■ 100, 36.753,
88.043

■ 35, 36.753, 88.043

■ 65, 36.753, 88.043

■ 25, 36.753, 88.043

■ 75, 36.753, 88.043

■ 15, 36.753, 88.043

■ 85, 36.753, 88.043

■ 5, 36.753, 88.043

■ 95, 36.753, 88.043

■ 0, 36.753, 88.043

■ 45, 36.753, 88.043

■ 45, 36.753, 88.043

■ 44, 41.617, 86.650

■ 46, 31.401, 89.380

■ 43, 45.615, 85.141

■ 47, 25.809, 90.675

42, 48.446, 83.467

48, 20.127, 91.938

42, 49.655, 82.804

50, 14.439, 93.170

51, 8.792, 94.365

52, 3.210, 95.502

53, 2.299, 276.729

55, 7.730, 277.766

56, 13.083,
278.792

Harmonies

Complementary

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



45, 36.753, 88.043



29, 39.262, 288.555

Rectangle

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



45, 36.753, 88.043



45, 36.753, 138.043



45, 36.753, 268.043



45, 36.753, 318.043

Sweetspot

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



45, 36.753, 88.046



64, 13.765, 93.815



31, 38.252, 8.458



33, 9.357, 93.540



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, 36.753, 88.046



56, 52.801, 85.912



50, 45.913, 115.575



26, 3.145, 95.139



42, 50.043, 82.779



0, 0.000, 0.000

Inverse Universe

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



29, 39.262, 288.555



32, 59.437, 293.072



25, 54.064, 305.185



25, 3.164, 277.320



19, 62.688, 298.950



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 36.753, 88.043 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, 36.753, 88.043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

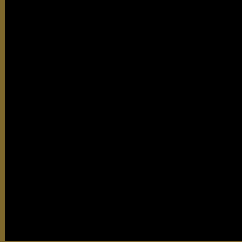
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 36.753, 88.043

Background



This preview shows how black text looks on a background with the CIELCh color 45, 36.753, 88.043.



This preview shows how white text looks on a background with the CIELCh color 45, 36.753, 88.043.

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, 36.753, 88.043

Protanopia

45, 36.384, 95.812

Deuteranopia

45, 36.941, 80.105



Tritanopia
45, 14.552, 4.891

Trichromacy



Original Color
45, 36.753, 88.043

Protanomaly
45, 36.334, 92.691

Deuteranomaly
45, 36.488, 83.130

Tritanomaly
45, 17.214, 58.545

Monochromacy



Original Color
45, 36.753, 88.043

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 13.572, 92.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 36.753, 88.043 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(126, 104, 43)` looks like.

```
.text, #text, p{  
    color:rgb(126, 104, 43)  
}
```

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(126, 104, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 104, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 36.753, 88.043 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(126, 104, 43) }
```

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

```
.border{ border-color:rgb(126, 104, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 104, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 104, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 104, 43);  
box-shadow:4px 4px 4px 4px rgb(126, 104,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 36.753, 88.043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 104, 43) }
```

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

```
.background{ background-color: rgb(126,  
104, 43) }
```

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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