

Converting Colors

CIELCh(44, 12.950, 89.273)

Have a look what the booklet for
CIELCh(44, 12.950, 89.273) contains.

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Color

CIELCh(44, 12.745, 87.906)

Conversions

Conversions Part 1

Format	Color
Hex	716753
RGB	113, 103, 83
RGB Percent	44%, 40%, 33%
CMY	0.5568, 0.5960, 0.6745
CMYK	0.00, 0.09, 0.27, 0.56
HSL	40°, 15%, 38%
HSV	40°, 27%, 44%
XYZ	13.2240, 13.8382, 10.1592
YIQ	103.7100, 12.3800, -4.1000

Conversions

Conversions Part 2

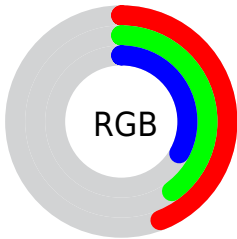
Format	Color
RYB	98, 113, 83
Decimal	7432019
CIELab	44.00, 0.47, 12.74
CIElCh	44, 12.745, 87.906
Yxy	13.8382, 0.3553, 0.3718
Android (android.graphics.Color)	4285622099 (0xFF716753)
YUV	103.7100, -10.2100, 8.1473
Hunter-Lab	37.1997, -1.6453, 9.8477

Details

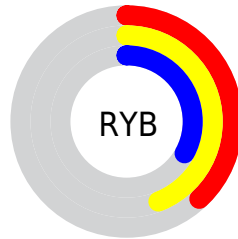
The CIELCh color **44, 12.745, 87.906** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 12.674, 274.874**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 12.491, 87.853**, and **24, 12.747, 86.392** is the 20% darker color. If you saturate the color by 10%, you get **43, 17.707, 86.640**, and if you desaturate by 10%, it is **45, 7.865, 89.146**.

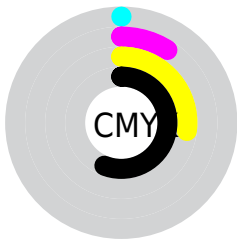
Distribution



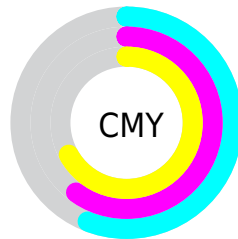
- Red (44%)
- Green (40%)
- Blue (33%)



- Red (38%)
- Yellow (44%)
- Blue (33%)



- Cyan (0%)
- Magenta (9%)
- Yellow (27%)
- Black (56%)



- Cyan (56%)
- Magenta (60%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 12.745, 87.906 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 44, 12.745, 87.906 by changing the saturation by 10% instead.

■ 44, 12.745, 87.906

■ 44, 12.745, 87.906

■ 100, 12.745,
87.906

■ 34, 12.745, 87.906

■ 64, 12.745, 87.906

■ 24, 12.745, 87.906

■ 74, 12.745, 87.906

■ 14, 12.745, 87.906

■ 84, 12.745, 87.906

■ 4, 12.745, 87.906

■ 94, 12.745, 87.906

■ 0, 12.745, 87.906

■ 44, 12.745, 87.906

■ 44, 12.745, 87.906

■ 43, 17.707, 86.640

■ 45, 7.865, 89.146

■ 41, 22.718, 85.330

■ 47, 3.077, 90.316

■ 40, 27.718, 83.979

■ 48, 1.615, 271.627

■ 39, 32.592, 82.572

■ 50, 6.214, 272.669

■ 38, 37.135, 81.070

■ 51, 10.724,
273.728

■ 37, 41.016, 79.396

■ 52, 15.152,
274.745

■ 36, 44.122, 77.549

■ 35, 45.336, 76.999

■ 54, 19.503,
275.715

■ 55, 23.784,
276.639

■ 57, 28.000,
277.516

Harmonies

Complementary

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



44, 12.745, 87.906



39, 12.674, 274.874

Rectangle

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



44, 12.745, 87.906



44, 12.745, 137.906



44, 12.745, 267.906



44, 12.745, 317.906

Sweetspot

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



44, 12.746, 87.913



60, 4.697, 90.129



39, 14.226, 356.318



30, 3.322, 89.988



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 12.746, 87.913



56, 19.267, 87.114



46, 17.704, 114.879



23, 2.635, 90.040



37, 47.269, 76.808



74, 80.630, 75.080

Inverse Universe

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



39, 12.674, 274.874



49, 19.138, 275.995



37, 18.733, 298.861



22, 2.636, 272.274



19, 53.786, 295.176



43, 97.431, 297.267

Previews

White Background



This preview shows how the CIELCh color 44, 12.745, 87.906 looks on a white background.

Color Contrast Check

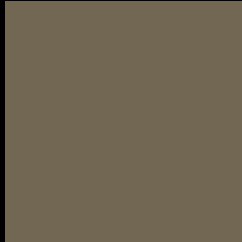
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 12.745, 87.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

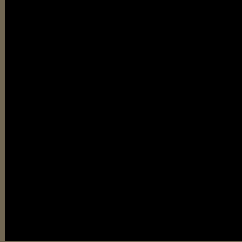
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 12.745, 87.906

Background



This preview shows how black text looks on a background with the CIELCh color 44, 12.745, 87.906.



This preview shows how white text looks on a background with the CIELCh color 44, 12.745, 87.906.

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


44, 12.745, 87.906

Protanopia

44, 12.778, 96.294

Deuteranopia

44, 13.544, 64.541



Tritanopia
44, 7.860, 348.308

Trichromacy



Original Color
44, 12.745, 87.906

Protanomaly
44, 12.881, 94.344

Deuteranomaly
44, 12.765, 72.009

Tritanomaly
44, 6.249, 36.650

Monochromacy



Original Color
44, 12.745, 87.906

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.932, 94.488

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 12.745, 87.906 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(113, 103, 83)` looks like.

```
.text, #text, p{  
    color:rgb(113, 103, 83)  
}
```

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(113, 103, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 103, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 12.745, 87.906 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(113, 103, 83) }
```

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

```
.border{ border-color:rgb(113, 103, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 103, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 103, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 103, 83);  
box-shadow:4px 4px 4px 4px rgb(113, 103,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 12.745, 87.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 103, 83) }
```

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

```
.background{ background-color: rgb(113,  
103, 83) }
```

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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