

Converting Colors

CIELCh(47, 10.021, 44.580)

Have a look what the booklet for
CIELCh(47, 10.021, 44.580) contains.

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Color

CIELCh(47, 9.992, 44.582)

Conversions

Conversions Part 1

Format	Color
Hex	806B64
RGB	128, 107, 100
RGB Percent	50%, 42%, 39%
CMY	0.4981, 0.5804, 0.6079
CMYK	0.00, 0.16, 0.22, 0.50
HSL	15°, 12%, 45%
HSV	15°, 22%, 50%
XYZ	16.4548, 16.0195, 14.2771
YIQ	112.4810, 14.7630, 2.2750

Conversions

Conversions Part 2

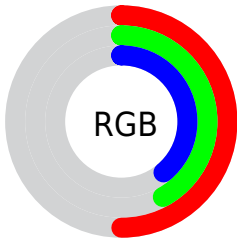
Format	Color
R_{YB}	128, 109, 100
Decimal	8416100
CIE Lab	47.00, 7.12, 7.01
CIE LCh	47, 9.992, 44.582
Yxy	16.0195, 0.3520, 0.3427
Android (android.graphics.Color)	4286606180 (0xFF806B64)
YUV	112.4810, -6.1531, 13.6102
Hunter-Lab	40.0243, 3.3423, 6.8676

Details

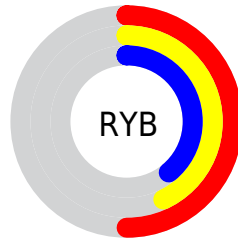
The CIELCh color $47, 9.992, 44.582$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 8.755, 226.796$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 9.933, 42.838$, and $27, 9.935, 47.630$ is the 20% darker color. If you saturate the color by 10%, you get $44, 15.141, 44.380$, and if you desaturate by 10%, it is $50, 5.219, 44.880$.

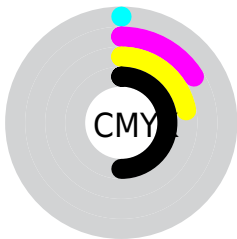
Distribution



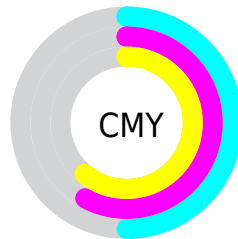
- Red (50%)
- Green (42%)
- Blue (39%)



- Red (50%)
- Yellow (43%)
- Blue (39%)



- Cyan (0%)
- Magenta (16%)
- Yellow (22%)
- Black (50%)



- Cyan (50%)
- Magenta (58%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 9.992, 44.582 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 47, 9.992, 44.582 by changing the saturation by 10% instead.

■ 47, 9.992, 44.582 ■ 47, 9.992, 44.582

■ 100, 9.992, 44.582 ■ 37, 9.992, 44.582

■ 67, 9.992, 44.582 ■ 27, 9.992, 44.582

■ 77, 9.992, 44.582 ■ 17, 9.992, 44.582

■ 87, 9.992, 44.582 ■ 7, 9.992, 44.582

■ 97, 9.992, 44.582 ■ 0, 9.992, 44.582

■ 47, 9.992, 44.582 ■ 47, 9.992, 44.582

■ 44, 15.141, 44.380 ■ 50, 5.219, 44.880

■ 41, 20.687, 44.284 ■ 53, 0.793, 44.871

■ 39, 26.635, 44.334 ■ 56, 3.321, 225.916

36, 32.953, 44.543

59, 7.154, 226.344

34, 39.547, 44.896

62, 10.741,
226.840

32, 46.196, 45.300

65, 14.109,
227.360

30, 52.409, 45.489

28, 56.874, 45.560

68, 17.286,
227.889

72, 20.294,
228.419

75, 23.155,
228.946

Harmonies

Complementary

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



47, 9.992, 44.582



49, 8.755, 226.796

Rectangle

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



47, 9.992, 44.582



47, 9.992, 94.582



47, 9.992, 224.582



47, 9.992, 274.582

Sweetspot

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



47, 9.991, 44.592



65, 3.732, 45.010



46, 16.792, 333.729



34, 2.448, 44.999



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 9.991, 44.592



58, 14.944, 44.479



51, 12.537, 94.699



25, 2.443, 44.961



28, 56.692, 45.552



0, 0.000, 0.000

Inverse Universe

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



49, 8.755, 226.796



62, 12.680, 227.195



45, 12.715, 280.099



26, 2.321, 225.981



38, 27.147, 244.666



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 9.992, 44.582 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 47, 9.992, 44.582 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 47, 9.992, 44.582

Background



This preview shows how black text looks on a background with the CIELCh color 47, 9.992, 44.582.

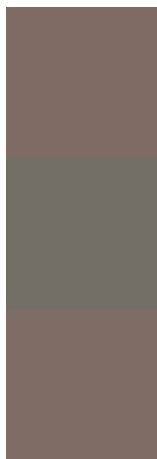


This preview shows how white text looks on a background with the CIELCh color 47, 9.992, 44.582.

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


47, 9.992, 44.582

Protanopia

47, 5.701, 87.703

Deuteranopia

47, 9.483, 49.831



Tritanopia
47, 11.370, 356.422

Trichromacy



Original Color
47, 9.992, 44.582

Protanomaly
47, 6.805, 70.687

Deuteranomaly
47, 9.483, 49.831

Tritanomaly
47, 9.745, 13.684

Monochromacy



Original Color
47, 9.992, 44.582

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 3.519, 39.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 9.992, 44.582 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(128, 107, 100)` looks like.

```
.text, #text, p{  
    color:rgb(128, 107, 100)  
}
```

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(128, 107, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 107, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 9.992, 44.582 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(128, 107, 100) }
```

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

```
.border{ border-color:rgb(128, 107, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 107, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 107, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 107, 100);  
box-shadow:4px 4px 4px 4px rgb(128, 107,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 9.992, 44.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 107, 100) }
```

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

```
.background{ background-color: rgb(128,  
107, 100) }
```

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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