

# Converting Colors

CIELCh(44, 17.857, 331.919)

Have a look what the booklet for  
CIELCh(44, 17.857, 331.919)  
contains.

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**Color**

**CIELCh(44, 18.032, 332.193)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C5F76
RGB	124, 95, 118
RGB Percent	49%, 37%, 46%
CMY	0.5128, 0.6266, 0.5364
CMYK	0.00, 0.23, 0.05, 0.51
HSL	312°, 13%, 43%
HSV	312°, 23%, 49%
XYZ	15.7395, 13.8382, 19.0500
YIQ	106.2930, 9.9010, 13.3010

# Conversions

## Conversions Part 2

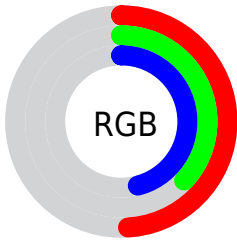
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 95, 118
Decimal	8150902
CIE <sub>Lab</sub>	44.00, 15.95, -8.41
CIE <sub>LCh</sub>	44, 18.032, 332.193
Yxy	13.8382, 0.3237, 0.2846
Android (android.graphics.Color)	4286340982 (0xFF7C5F76)
YUV	106.2930, 5.7716, 15.5290
Hunter-Lab	37.1997, 10.4250, -4.3227

# Details

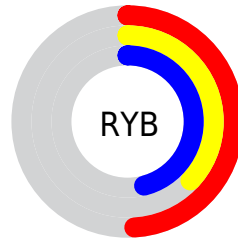
The CIELCh color  $[44, 18.032, 332.193]$  is a dark color, and the websafe version is hex `666666`. A complement of this color would be  $[49, 17.951, 149.172]$ , and the grayscale version is  $[45, 0.006, 296.813]$ .

A 20% lighter version of the original color is  $[64, 17.799, 332.548]$ , and  $[24, 18.573, 332.067]$  is the 20% darker color. If you saturate the color by 10%, you get  $[41, 25.716, 332.849]$ , and if you desaturate by 10%, it is  $[47, 10.272, 331.556]$ .

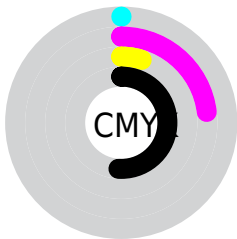
# Distribution



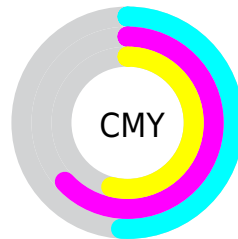
- Red (49%)
- Green (37%)
- Blue (46%)



- Red (49%)
- Yellow (37%)
- Blue (46%)



- Cyan (0%)
- Magenta (23%)
- Yellow (5%)
- Black (51%)



- Cyan (51%)
- Magenta (63%)
- Yellow (54%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 18.032, 332.193 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, 18.032, 332.193 by changing the saturation by 10% instead.




 44, 18.032,  
332.193


 44, 18.032,  
332.193


 100, 18.032,  
332.193


 34, 18.032,  
332.193

 64, 18.032,  
332.193


 24, 18.032,  
332.193

 74, 18.032,  
332.193

 14, 18.032,  
332.193


 84, 18.032,  
332.193

 4, 18.032, 332.193

 94, 18.032,  
332.193

 0, 18.032, 332.193

 44, 18.032,

 44, 18.032,

332.193

41, 25.716,  
332.849

38, 33.151,  
333.524

35, 40.097,  
334.225

32, 46.258,  
334.956

30, 51.310,  
335.733

29, 54.960,  
336.577

28, 57.051,  
337.518

27, 58.095,  
338.162

332.193

47, 10.272,  
331.556

51, 2.563, 330.887

54, 5.016, 150.436

58, 12.419,  
149.855

62, 19.621,  
149.321

65, 26.611,  
148.817

69, 33.390,  
148.340

73, 39.964,  
147.891

■ 77, 46.343,  
147.466

# Harmonies

# Complementary

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



44, 18.032, 332.193



49, 17.951, 149.172

# Rectangle

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



44, 18.032, 332.193



44, 18.032, 22.193



44, 18.032, 152.193



44, 18.032, 202.193

# Sweetspot

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



44, 18.030, 332.194



63, 6.621, 331.160



42, 17.754, 299.749



33, 4.337, 331.188



84, 0.010, 296.813



35, 0.005, 296.813





# Same Dimension

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



44, 18.030, 332.194



54, 26.681, 332.539



44, 13.270, 358.271



24, 4.270, 331.283



27, 58.333, 338.169



57, 97.419, 338.831



# Inverse Universe

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



44, 18.030, 332.194



54, 26.681, 332.539



50, 12.434, 173.832



24, 4.270, 331.283



27, 58.333, 338.169

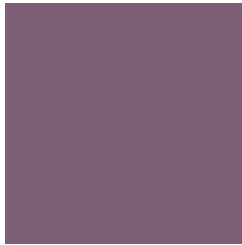


57, 97.419, 338.831



# Previews

## White Background



This preview shows how the CIELCh color 44, 18.032, 332.193 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 44, 18.032, 332.193 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, 18.032, 332.193**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 44, 18.032, 332.193.



This preview shows how white text looks on a background with the CIELCh color 44, 18.032, 332.193.

# 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, 18.032, 332.193

### Protanopia

44, 12.616, 286.818

### Deuteranopia

44, 10.038, 307.487





**Tritanopia**  
44, 10.905, 358.426

# Trichromacy



**Original Color**  
44, 18.032, 332.193

**Protanomaly**  
44, 13.723, 306.727

**Deuteranomaly**  
44, 12.399, 320.453

**Tritanomaly**  
44, 13.247, 345.417

# Monochromacy



**Original Color**  
44, 18.032, 332.193

**Achromatopsia**  
45, 0.006, 296.813

**Achromatomaly**  
45, 6.313, 331.016

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 18.032, 332.193 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(124, 95, 118)` looks like.

```
.text, #text, p{  
    color:rgb(124, 95, 118)  
}
```

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(124, 95, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 95, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 18.032, 332.193 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(124, 95, 118) }
```

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

```
.border{ border-color:rgb(124, 95, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 95, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 95, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 95, 118);  
box-shadow:4px 4px 4px 4px rgb(124, 95,  
118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 18.032, 332.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 95, 118) }
```

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

```
.background{ background-color: rgb(124, 95,  
118) }
```

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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