

# Converting Colors

CIELCh(62, 37.414, 30.005)

Have a look what the booklet for  
CIELCh(62, 37.414, 30.005) contains.

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# Color

**CIELCh(62, 37.418, 30.004)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D47E76
RGB	212, 126, 118
RGB Percent	83%, 49%, 46%
CMY	0.1669, 0.5043, 0.5358
CMYK	0.00, 0.41, 0.44, 0.17
HSL	5°, 52%, 65%
HSV	5°, 44%, 83%
XYZ	38.0830, 30.4025, 21.1191
YIQ	150.8020, 53.8240, 15.7440

# Conversions

## Conversions Part 2

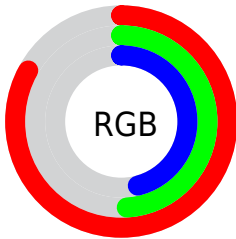
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 127, 118
Decimal	13926006
CIE <sub>Lab</sub>	62.00, 32.40, 18.71
CIE <sub>LCh</sub>	62, 37.418, 30.004
Yxy	30.4025, 0.4250, 0.3393
Android (android.graphics.Color)	4292116086 (0xFFD47E76)
YUV	150.8020, -16.1714, 53.6706
Hunter-Lab	55.1385, 26.7940, 15.8878

# Details

The CIELCh color **62, 37.418, 30.004** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **77, 26.804, 206.875**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 30.550, 31.641**, and **42, 37.316, 29.534** is the 20% darker color. If you saturate the color by 10%, you get **57, 47.509, 31.422**, and if you desaturate by 10%, it is **67, 27.868, 28.948**.

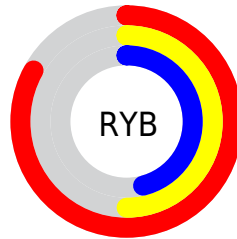
# Distribution



Red (83%)

Green (49%)

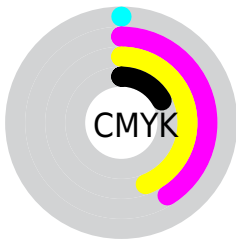
Blue (46%)



Red (83%)

Yellow (50%)

Blue (46%)

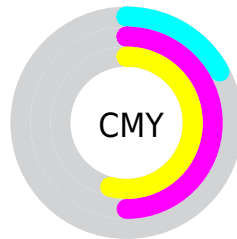


Cyan (0%)

Magenta (41%)

Yellow (44%)

Black (17%)



Cyan (17%)

Magenta (50%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 37.418, 30.004 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 62, 37.418, 30.004 by changing the saturation by 10% instead.



62, 37.418, 30.004

62, 37.418, 30.004

100, 37.418,  
30.004

52, 37.418, 30.004

82, 37.418, 30.004

42, 37.418, 30.004

92, 37.418, 30.004

32, 37.418, 30.004

22, 37.418, 30.004

12, 37.418, 30.004

2, 37.418, 30.004

0, 37.418, 30.004

62, 37.418, 30.004

62, 37.418, 30.004

57, 47.509, 31.422

67, 27.868, 28.948

53, 57.967, 33.251

72, 18.954, 28.168

50, 68.469, 35.486

77, 10.697, 27.595

47, 78.407, 37.923

83, 3.075, 27.078

46, 86.454, 39.906

88, 3.954, 207.158

45, 89.900, 40.838

94, 10.446,  
206.904

97, 14.227,  
198.557

# Harmonies

# Complementary

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



62, 37.418, 30.004



77, 26.804, 206.875

# Rectangle

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



62, 37.418, 30.004



62, 37.418, 80.004



62, 37.418, 210.004



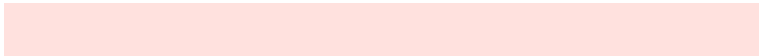
62, 37.418, 260.004

# Sweetspot

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



62, 37.416, 30.008



92, 11.243, 27.539



63, 56.806, 329.303



48, 7.940, 27.650



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



62, 37.416, 30.008



69, 53.671, 31.307



73, 34.264, 77.981



42, 4.196, 27.362



36, 76.144, 40.983



5, 20.828, 24.081





# Inverse Universe

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



77, 26.804, 206.875



90, 35.337, 207.142



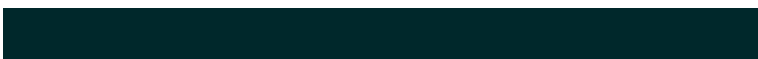
64, 32.207, 271.871



44, 3.948, 207.008



59, 33.484, 211.177



14, 13.331, 208.219



# Previews

## White Background



This preview shows how the CIELCh color 62, 37.418, 30.004 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 62, 37.418, 30.004 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

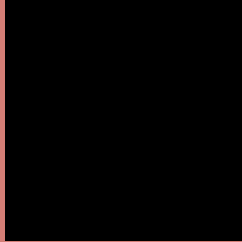
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 37.418, 30.004

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 37.418, 30.004.

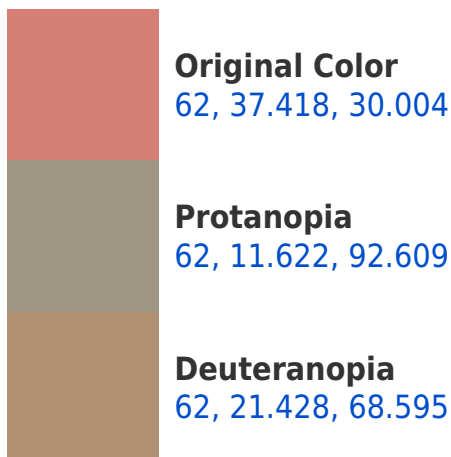


This preview shows how white text looks on a background with the CIELCh color 62, 37.418, 30.004.

# 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





**Tritanopia**  
62, 37.359, 16.188



# Trichromacy



**Original Color**  
62, 37.418, 30.004

**Protanomaly**  
62, 17.785, 48.558

**Deuteranomaly**  
62, 25.528, 49.564

**Tritanomaly**  
62, 36.852, 21.010

# Monochromacy



**Original Color**  
62, 37.418, 30.004

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
62, 12.691, 28.135

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 37.418, 30.004 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(212, 126, 118)` looks like.

```
.text, #text, p{  
    color:rgb(212, 126, 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(212, 126, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 126, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 37.418, 30.004 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(212, 126, 118) }
```

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

```
.border{ border-color:rgb(212, 126, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 126, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 126, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 126, 118);  
box-shadow:4px 4px 4px 4px rgb(212, 126,  
118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 37.418, 30.004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 126, 118) }
```

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

```
.background{ background-color: rgb(212,  
126, 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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