

# Converting Colors

CIELCh(60, 46.032, 44.129)

Have a look what the booklet for  
CIELCh(60, 46.032, 44.129) contains.

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**Color**

**CIELCh(60, 46.032, 44.129)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4785A
RGB	212, 120, 90
RGB Percent	83%, 47%, 35%
CMY	0.1691, 0.5298, 0.6474
CMYK	0.00, 0.43, 0.58, 0.17
HSL	15°, 59%, 59%
HSV	15°, 58%, 83%
XYZ	35.6617, 28.1233, 13.1995
YIQ	144.0880, 64.4620, 10.1740

# Conversions

## Conversions Part 2

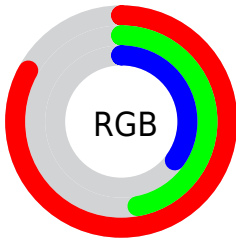
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">212, 130, 90</a>
Decimal	<a href="#">13924442</a>
CIELab	<a href="#">60.00, 33.04, 32.05</a>
CIELCh	<a href="#">60, 46.032, 44.129</a>
Yxy	<a href="#">28.1233, 0.4632, 0.3653</a>
Android (android.graphics.Color)	<a href="#">4292114522 (0xFFD4785A)</a>
YUV	<a href="#">144.0880, -26.6654, 59.5588</a>
Hunter-Lab	<a href="#">53.0314, 27.2298, 22.3647</a>

# Details

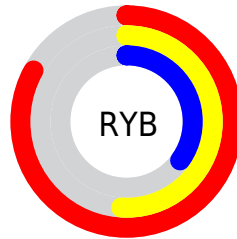
The CIELCh color **60, 46.032, 44.129** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **70, 30.004, 231.305**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 38.987, 47.269**, and **40, 46.048, 44.603** is the 20% darker color. If you saturate the color by 10%, you get **56, 55.944, 44.516**, and if you desaturate by 10%, it is **64, 36.591, 43.918**.

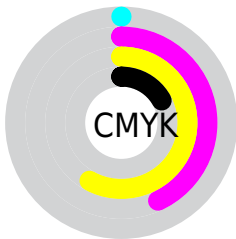
# Distribution



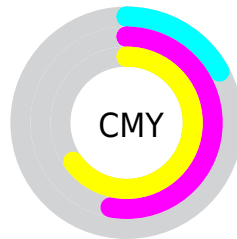
- Red (83%)
- Green (47%)
- Blue (35%)



- Red (83%)
- Yellow (51%)
- Blue (35%)



- Cyan (0%)
- Magenta (43%)
- Yellow (58%)
- Black (17%)



- Cyan (17%)
- Magenta (53%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 46.032, 44.129 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 60, 46.032, 44.129 by changing the saturation by 10% instead.



60, 46.032, 44.129

60, 46.032, 44.129

100, 46.032,  
44.129

50, 46.032, 44.129

80, 46.032, 44.129

40, 46.032, 44.129

90, 46.032, 44.129

30, 46.032, 44.129

20, 46.032, 44.129

10, 46.032, 44.129

0, 46.032, 44.129

60, 46.032, 44.129

60, 46.032, 44.129

56, 55.944, 44.516

64, 36.591, 43.918

53, 66.015, 44.985

68, 27.752, 43.878

50, 75.515, 45.271

72, 19.546, 43.992

48, 83.100, 44.865

77, 11.959, 44.222

48, 84.796, 44.831

81, 4.949, 44.504

86, 1.534, 225.396

91, 7.546, 225.582

95, 12.438,  
216.305

97, 14.405,  
198.545

# Harmonies

# Complementary

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



60, 46.032, 44.129



70, 30.004, 231.305

# Rectangle

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



60, 46.032, 44.129



60, 46.032, 94.129



60, 46.032, 224.129



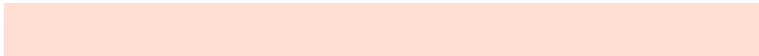
60, 46.032, 274.129

# Sweetspot

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



60, 46.030, 44.133



91, 13.427, 44.233



57, 64.560, 335.846



47, 9.055, 44.178



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



60, 46.030, 44.133



66, 66.844, 44.616



74, 49.289, 88.710



43, 3.772, 44.456



38, 71.846, 45.259



7, 18.912, 33.708





# Inverse Universe

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



70, 30.004, 231.305



80, 38.977, 234.314



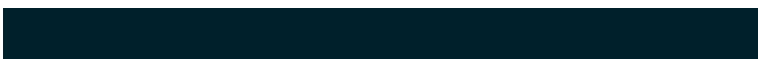
53, 51.896, 286.866



44, 3.568, 225.494



50, 33.691, 245.109

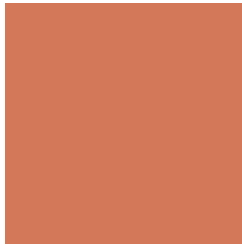


11, 12.763, 235.551



# Previews

## White Background



This preview shows how the CIELCh color 60, 46.032, 44.129 looks on a white 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

# Black Background



This preview shows how the CIELCh color 60, 46.032, 44.129 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 × Fail

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

# CIELCh 60, 46.032, 44.129

## Background



This preview shows how black text looks on a background with the CIELCh color 60, 46.032, 44.129.



This preview shows how white text looks on a background with the CIELCh color 60, 46.032, 44.129.

# 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**  
60, 41.529, 17.694



# Trichromacy



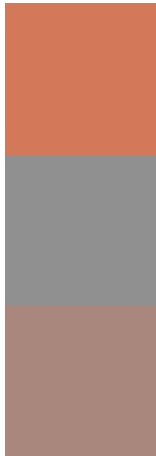
**Original Color**  
60, 46.032, 44.129

**Protanomaly**  
60, 29.389, 69.145

**Deuteranomaly**  
60, 36.964, 61.870

**Tritanomaly**  
60, 41.768, 27.867

# Monochromacy



**Original Color**  
60, 46.032, 44.129

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
59, 15.629, 43.856

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 46.032, 44.129 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, 120, 90)` looks like.

```
.text, #text, p{  
    color:rgb(212, 120, 90)  
}
```

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, 120, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 120, 90) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 46.032, 44.129 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, 120, 90) }
```

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

```
.border{ border-color:rgb(212, 120, 90) }
```

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

Here you see how a box with a 4 pixel rgb(212, 120, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 120, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 120, 90);  
box-shadow:4px 4px 4px 4px rgb(212, 120,  
90) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 46.032, 44.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 120, 90) }
```

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

```
.background{ background-color: rgb(212,  
120, 90) }
```

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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