

# Converting Colors

CIELCh(64, 43.101, 24.218)

Have a look what the booklet for  
CIELCh(64, 43.101, 24.218) contains.

<b>CIELCh(64, 43.011, 24.151)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	11
<i><b>Previews</b></i>	20
<i><b>Color Blindness Simulation</b></i>	23
<i><b>CSS Examples</b></i>	26

# Color

**CIELCh(64, 43.011, 24.151)**

# Conversions

Conversions Part 1	
Format	Color
Hex	E47E7E
RGB	228, 126, 126
RGB Percent	89%, 49%, 49%
CMY	0.1070, 0.5069, 0.5069
CMYK	0.00, 0.45, 0.45, 0.11
HSL	360°, 65%, 69%
HSV	360°, 45%, 89%
XYZ	43.0797, 32.8017, 23.7153
YIQ	156.4980, 60.7920, 21.6240

# Conversions

## Conversions Part 2

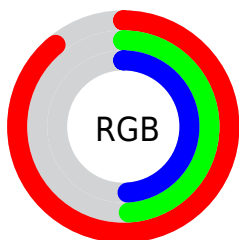
Format	Color
<a href="#">RYB</a>	<a href="#">228, 126, 126</a>
Decimal	<a href="#">14974590</a>
CIELab	<a href="#">64.00, 39.25, 17.60</a>
CIELCh	<a href="#">64, 43.011, 24.151</a>
Yxy	<a href="#">32.8017, 0.4325, 0.3293</a>
Android (android.graphics.Color)	<a href="#">4293164670</a> <a href="#">(0xFFE47E7E)</a>
YUV	<a href="#">156.4980, -15.0355, 62.7073</a>
Hunter-Lab	<a href="#">57.2727, 34.0377, 15.5403</a>

# Details

The CIELCh color **64, 43.011, 24.151** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **85, 31.113, 197.331**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 29.458, 22.885**, and **44, 43.086, 24.099** is the 20% darker color. If you saturate the color by 10%, you get **59, 54.102, 26.248**, and if you desaturate by 10%, it is **69, 32.301, 22.549**.

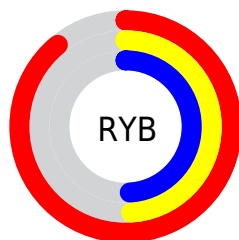
# Distribution



Red (89%)

Green (49%)

Blue (49%)



Red (89%)

Yellow (49%)

Blue (49%)

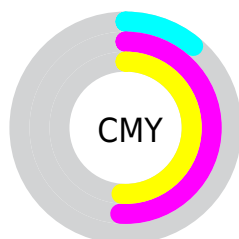


Cyan (0%)

Magenta (45%)

Yellow (45%)

Black (11%)



Cyan (11%)

Magenta (51%)













Yellow (51%)





# Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 43.011, 24.151 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 64, 43.011, 24.151 by changing the saturation by 10% instead.



 64, 43.011, 24.151	 64, 43.011, 24.151
 100, 43.011, 24.151	 54, 43.011, 24.151
 84, 43.011, 24.151	 44, 43.011, 24.151
 94, 43.011, 24.151	 34, 43.011, 24.151
	 24, 43.011, 24.151
	 14, 43.011, 24.151
	 4, 43.011, 24.151
	 0, 43.011, 24.151

 64, 43.011, 24.151	 64, 43.011, 24.151
 59, 54.102, 26.248	 69, 32.301, 22.549

 55, 65.279, 28.930

 75, 22.173, 21.321


 52, 76.115, 32.209

 81, 12.717, 20.366

 49, 85.937, 35.807

 87, 3.951, 19.539

 48, 93.283, 38.832

 94, 4.151, 199.278

 48, 95.997, 39.999

 98, 9.281, 198.890

# Harmonies

# Complementary

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



64, 43.011, 24.151



85, 31.113, 197.331

# Rectangle

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



64, 43.011, 24.151



64, 43.011, 74.151



64, 43.011, 204.151



64, 43.011, 254.151

# Sweetspot

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



64, 43.008, 24.154



91, 12.182, 20.224



67, 63.959, 326.317



47, 8.600, 20.411



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



64, 43.008, 24.154



66, 58.401, 26.144



75, 35.163, 68.110



45, 4.817, 19.932



37, 79.982, 39.970



6, 27.105, 21.756





# Inverse Universe

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



64, 43.008, 24.154



66, 58.401, 26.144



71, 30.445, 261.659



45, 4.817, 19.932



37, 79.982, 39.970

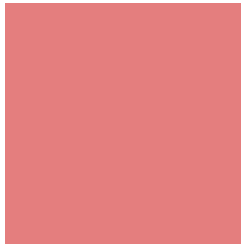


6, 27.105, 21.756



# Previews

## White Background



This preview shows how the CIE LCh color 64, 43.011, 24.151 looks on a white background.

## Color Contrast Check

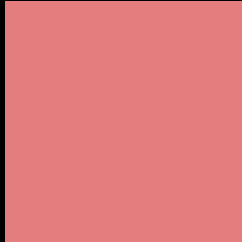
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 64, 43.011, 24.151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

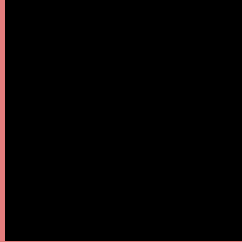
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 64, 43.011, 24.151

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 43.011, 24.151.



This preview shows how white text looks on a background with the CIELCh color 64, 43.011, 24.151.

# 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

64, 43.011, 24.151

### Protanopia

64, 8.773, 90.645

### Deuteranopia

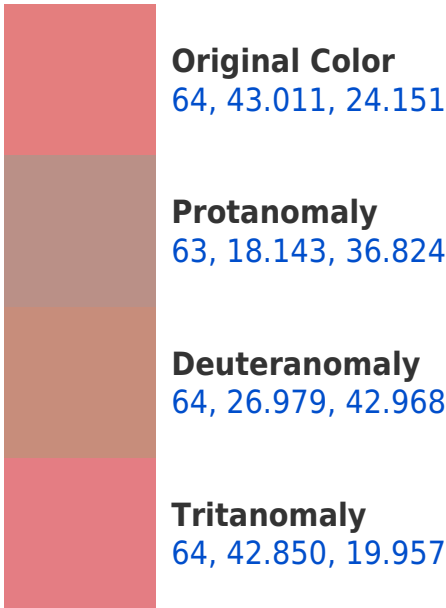
64, 20.686, 66.074



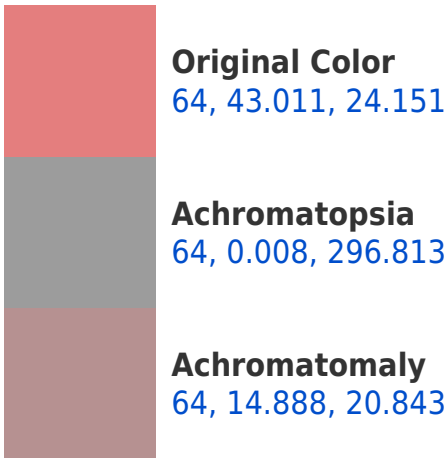
**Tritanopia**  
64, 42.632, 17.775



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 43.011, 24.151 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(228, 126, 126)` looks like.

```
.text, #text, p{  
    color:rgb(228, 126, 126)  
}
```

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(228, 126, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 126, 126) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 43.011, 24.151 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(228, 126, 126) }
```

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

```
.border{ border-color:rgb(228, 126, 126) }
```

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

Here you see how a box with a 4 pixel rgb(228, 126, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 126, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 126, 126);  
box-shadow:4px 4px 4px 4px rgb(228, 126,  
126) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 43.011, 24.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 126, 126) }
```

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

```
.background{ background-color: rgb(228,  
126, 126) }
```

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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor