

# Converting Colors

CIELCh(44, 11.367, 33.151)

Have a look what the booklet for  
CIELCh(44, 11.367, 33.151) contains.

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# Color

**CIELCh(44, 11.654, 32.505)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C625E
RGB	124, 98, 94
RGB Percent	49%, 38%, 37%
CMY	0.5136, 0.6155, 0.6312
CMYK	0.00, 0.21, 0.24, 0.51
HSL	8°, 14%, 43%
HSV	8°, 24%, 49%
XYZ	14.7100, 13.8382, 12.4933
YIQ	105.3180, 16.7800, 4.2680

# Conversions

## Conversions Part 2

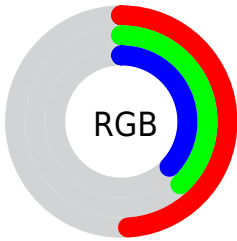
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 99, 94
Decimal	8151646
CIE Lab	44.00, 9.83, 6.26
CIE LCh	44, 11.654, 32.505
Yxy	13.8382, 0.3584, 0.3372
Android (android.graphics.Color)	4286341726 (0xFF7C625E)
YUV	105.3180, -5.5798, 16.3841
Hunter-Lab	37.1997, 5.4854, 6.1276

# Details

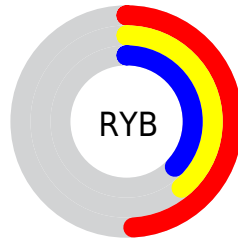
The CIELCh color **44, 11.654, 32.505** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 9.933, 212.219**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 11.618, 34.136**, and **24, 11.600, 31.294** is the 20% darker color. If you saturate the color by 10%, you get **41, 17.141, 32.977**, and if you desaturate by 10%, it is **47, 6.567, 32.201**.

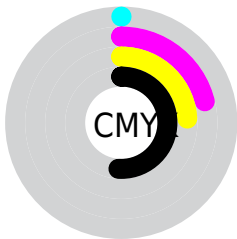
# Distribution



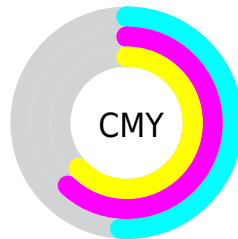
- Red (49%)
- Green (38%)
- Blue (37%)



- Red (49%)
- Yellow (39%)
- Blue (37%)



- Cyan (0%)
- Magenta (21%)
- Yellow (24%)
- Black (51%)


















- Cyan (51%)
- Magenta (62%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 11.654, 32.505 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, 11.654, 32.505 by changing the saturation by 10% instead.



 44, 11.654, 32.505	 44, 11.654, 32.505
 100, 11.654, 32.505	 34, 11.654, 32.505
 64, 11.654, 32.505	 24, 11.654, 32.505
 74, 11.654, 32.505	 14, 11.654, 32.505
 84, 11.654, 32.505	 4, 11.654, 32.505
 94, 11.654, 32.505	 0, 11.654, 32.505
 44, 11.654, 32.505	 44, 11.654, 32.505
 41, 17.141, 32.977	 47, 6.567, 32.201
 38, 23.035, 33.650	 51, 1.863, 31.894

35, 29.308, 34.581

54, 2.489, 212.202

32, 35.891, 35.813

57, 6.523, 212.122

30, 42.643, 37.347

61, 10.273,  
212.172

28, 49.286, 39.075

64, 13.772,  
212.275

26, 55.030, 40.388

26, 57.796, 41.070

68, 17.050,  
212.411

71, 20.132,  
212.572

75, 23.044,  
212.747

# Harmonies

# Complementary

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



44, 11.654, 32.505



49, 9.933, 212.219

# Rectangle

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



44, 11.654, 32.505



44, 11.654, 82.505



44, 11.654, 212.505



44, 11.654, 262.505

# Sweetspot

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



44, 11.653, 32.513



63, 3.893, 32.018



44, 19.634, 329.683



33, 2.554, 32.031



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, 11.653, 32.513



54, 17.648, 32.746



48, 12.149, 85.375



24, 2.527, 32.071



26, 58.164, 41.109



54, 101.406, 41.467





# Inverse Universe

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



49, 9.933, 212.219



61, 14.437, 212.335



44, 11.969, 271.809



25, 2.390, 212.138



42, 25.860, 220.189



81, 43.414, 221.658



# Previews

## White Background



This preview shows how the CIELCh color 44, 11.654, 32.505 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, 11.654, 32.505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

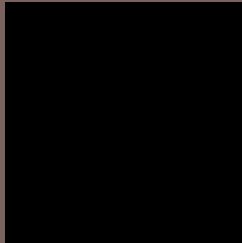
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 44, 11.654, 32.505

## Background



This preview shows how black text looks on a background with the CIELCh color 44, 11.654, 32.505.



This preview shows how white text looks on a background with the CIELCh color 44, 11.654, 32.505.

# 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, 11.654, 32.505

### Protanopia

44, 4.497, 87.384

### Deuteranopia

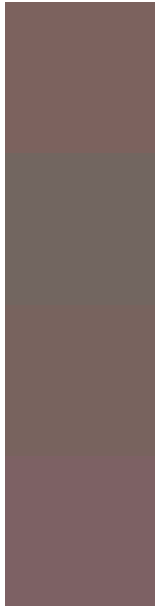
44, 8.633, 44.627



**Tritanopia**  
44, 12.526, 1.736



# Trichromacy



**Original Color**  
44, 11.654, 32.505

**Protanomaly**  
44, 6.283, 54.483

**Deuteranomaly**  
44, 9.654, 38.354

**Tritanomaly**  
44, 12.121, 12.585

# Monochromacy



**Original Color**  
44, 11.654, 32.505

**Achromatopsia**  
44, 0.006, 296.813

**Achromatomaly**  
44, 4.253, 27.892

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 44, 11.654, 32.505 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, 98, 94)` looks like.

```
.text, #text, p{  
    color:rgb(124, 98, 94)  
}
```

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, 98, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 98, 94) }
```

## Border

The CSS property to change the border of an element to CIELCh 44, 11.654, 32.505 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, 98, 94) }
```

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

```
.border{ border-color:rgb(124, 98, 94) }
```

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

Here you see how a box with a 4 pixel rgb(124, 98, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 98, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 98, 94);  
box-shadow:4px 4px 4px 4px rgb(124, 98,  
94) }
```

# Background

The CSS property to change the background color of an element to CIELCh 44, 11.654, 32.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 98, 94) }
```

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

```
.background{ background-color: rgb(124, 98,  
94) }
```

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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