

Converting Colors

CIELCh(62, 51.237, 45.351)

Have a look what the booklet for
CIELCh(62, 51.237, 45.351) contains.

CIELCh(62, 51.216, 45.201)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(62, 51.216, 45.201)

Conversions

Conversions Part 1

Format	Color
Hex	DF7A57
RGB	223, 122, 87
RGB Percent	87%, 48%, 34%
CMY	0.1244, 0.5206, 0.6579
CMYK	0.00, 0.45, 0.61, 0.12
HSL	15°, 68%, 61%
HSV	15°, 61%, 88%
XYZ	39.2364, 30.4025, 12.8653
YIQ	148.2090, 71.4310, 10.5270

Conversions

Conversions Part 2

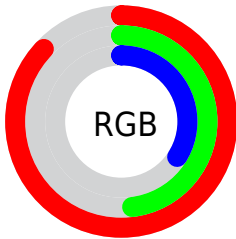
Format	Color
R _Y B	223, 134, 87
Decimal	14645847
CIE Lab	62.00, 36.09, 36.34
CIE LCh	62, 51.216, 45.201
Yxy	30.4025, 0.4756, 0.3685
Android (android.graphics.Color)	4292835927 (0xFFDF7A57)
YUV	148.2090, -30.1760, 65.5917
Hunter-Lab	55.1385, 30.5278, 24.7630

Details

The CIELCh color **62, 51.216, 45.201** 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 **72, 32.570, 233.963**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 39.622, 51.641**, and **42, 51.281, 45.247** is the 20% darker color. If you saturate the color by 10%, you get **58, 61.608, 45.523**, and if you desaturate by 10%, it is **66, 41.229, 45.023**.

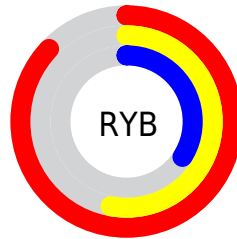
Distribution



Red (87%)

Green (48%)

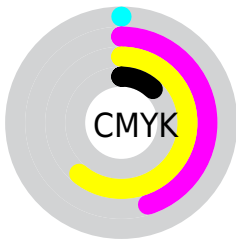
Blue (34%)



Red (87%)

Yellow (53%)

Blue (34%)

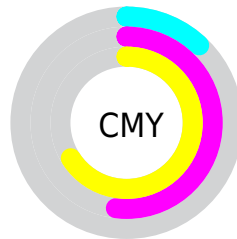


Cyan (0%)

Magenta (45%)

Yellow (61%)

Black (12%)



Cyan (12%)

Magenta (52%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 51.216, 45.201 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, 51.216, 45.201 by changing the saturation by 10% instead.

62, 51.216, 45.201

62, 51.216, 45.201

100, 51.216,
45.201

52, 51.216, 45.201

82, 51.216, 45.201

42, 51.216, 45.201

92, 51.216, 45.201

32, 51.216, 45.201

22, 51.216, 45.201

12, 51.216, 45.201

2, 51.216, 45.201

0, 51.216, 45.201

62, 51.216, 45.201

62, 51.216, 45.201

58, 61.608, 45.523

66, 41.229, 45.023

55, 71.960, 45.842

70, 31.837, 45.007

52, 81.267, 45.791

75, 23.097, 45.145

50, 87.815, 45.181

79, 15.007, 45.406

84, 7.531, 45.746

88, 0.616, 45.350

93, 5.794, 226.881

98, 10.698,
199.090

98, 10.735,
198.790

Harmonies

Complementary

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



62, 51.216, 45.201



72, 32.570, 233.963

Rectangle

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



62, 51.216, 45.201



62, 51.216, 95.201



62, 51.216, 225.201



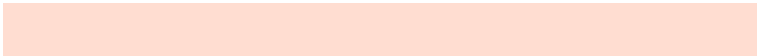
62, 51.216, 275.201

Sweetspot

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



62, 51.214, 45.205



91, 14.210, 45.496



58, 69.659, 336.906



47, 9.992, 45.402



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, 51.214, 45.205



65, 71.130, 45.616



78, 54.901, 89.470



45, 3.903, 45.796



40, 73.074, 45.651



8, 21.542, 36.269

Inverse Universe

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



72, 32.570, 233.963



78, 40.394, 237.533



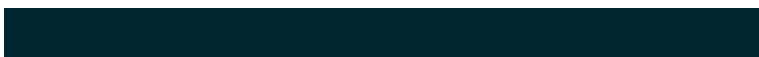
53, 58.971, 288.866



46, 3.695, 226.939



51, 34.895, 247.585



12, 13.783, 238.776

Previews

White Background



This preview shows how the CIELCh color 62, 51.216, 45.201 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 62, 51.216, 45.201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

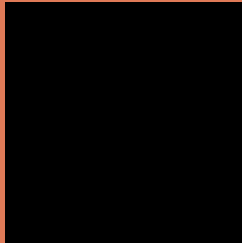
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 51.216, 45.201

Background



This preview shows how black text looks on a background with the CIELCh color 62, 51.216, 45.201.



This preview shows how white text looks on a background with the CIELCh color 62, 51.216, 45.201.

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

62, 51.216, 45.201

Protanopia

62, 29.314, 95.782

Deuteranopia

62, 38.478, 77.522



Tritanopia
62, 45.525, 18.766

Trichromacy



Original Color
62, 51.216, 45.201

Protanomaly
62, 33.127, 69.861

Deuteranomaly
62, 40.964, 62.628

Tritanomaly
62, 46.263, 29.201

Monochromacy



Original Color
62, 51.216, 45.201

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 16.861, 46.076

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 51.216, 45.201 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(223, 122, 87)` looks like.

```
.text, #text, p{  
    color:rgb(223, 122, 87)  
}
```

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(223, 122, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 122, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 51.216, 45.201 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(223, 122, 87) }
```

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

```
.border{ border-color:rgb(223, 122, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 122, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 122, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 122, 87);  
box-shadow:4px 4px 4px 4px rgb(223, 122,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 51.216, 45.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 122, 87) }
```

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

```
.background{ background-color: rgb(223,  
122, 87) }
```

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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