

Converting Colors

CIELCh(62, 46.663, 51.663)

Have a look what the booklet for
CIELCh(62, 46.663, 51.663) contains.

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Color

CIELCh(62, 46.580, 51.673)

Conversions

Conversions Part 1

Format	Color
Hex	D58056
RGB	213, 128, 86
RGB Percent	84%, 50%, 34%
CMY	0.1632, 0.4967, 0.6615
CMYK	0.00, 0.40, 0.60, 0.16
HSL	20°, 60%, 59%
HSV	20°, 60%, 84%
XYZ	37.0033, 30.4025, 12.7870
YIQ	148.6270, 64.1420, 4.9580

Conversions

Conversions Part 2

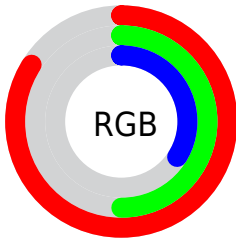
Format	Color
R _{YB}	213, 149, 86
Decimal	13992022
CIE _{Lab}	62.00, 28.89, 36.54
CIE _{LCh}	62, 46.580, 51.673
Yxy	30.4025, 0.4614, 0.3791
Android (android.graphics.Color)	4292182102 (0xFFD58056)
YUV	148.6270, -30.8751, 56.4551
Hunter-Lab	55.1385, 23.2985, 24.8471

Details

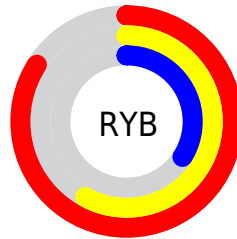
The CIELCh color **62, 46.580, 51.673** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **67, 31.994, 245.194**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 39.633, 57.404**, and **42, 46.469, 51.879** is the 20% darker color. If you saturate the color by 10%, you get **59, 56.124, 51.321**, and if you desaturate by 10%, it is **66, 37.412, 52.090**.

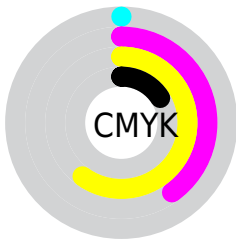
Distribution



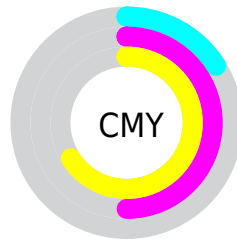
- Red (84%)
- Green (50%)
- Blue (34%)



- Red (84%)
- Yellow (58%)
- Blue (34%)



- Cyan (0%)
- Magenta (40%)
- Yellow (60%)
- Black (16%)



- Cyan (16%)
- Magenta (50%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 46.580, 51.673 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, 46.580, 51.673 by changing the saturation by 10% instead.

62, 46.580, 51.673

62, 46.580, 51.673

100, 46.580,
51.673

52, 46.580, 51.673

82, 46.580, 51.673

42, 46.580, 51.673

92, 46.580, 51.673

32, 46.580, 51.673

22, 46.580, 51.673

12, 46.580, 51.673

2, 46.580, 51.673

0, 46.580, 51.673

62, 46.580, 51.673

62, 46.580, 51.673

59, 56.124, 51.321

66, 37.412, 52.090

56, 65.671, 50.902

69, 28.774, 52.596

53, 74.391, 50.121

73, 20.707, 53.190

50, 81.264, 48.695

77, 13.201, 53.856

50, 81.570, 48.649

81, 6.219, 54.550

86, 0.288, 237.194

90, 6.368, 236.295

94, 11.523,
232.760

97, 13.930,
198.576

Harmonies

Complementary

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



62, 46.580, 51.673



67, 31.994, 245.194

Rectangle

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



62, 46.580, 51.673



62, 46.580, 101.673



62, 46.580, 231.673



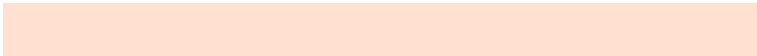
62, 46.580, 281.673

Sweetspot

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



62, 46.579, 51.677



91, 13.974, 53.950



56, 63.219, 339.976



47, 9.816, 53.748



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, 46.579, 51.677



69, 66.596, 51.242



77, 54.428, 94.361



43, 3.705, 54.559



40, 68.733, 49.194



8, 18.012, 40.524

Inverse Universe

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



67, 31.994, 245.194



75, 41.888, 249.233



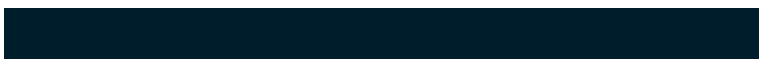
49, 60.606, 292.051



43, 3.536, 236.286



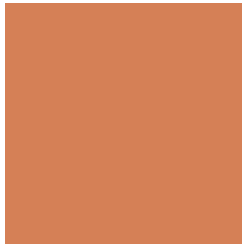
46, 38.074, 261.299



9, 13.597, 250.085

Previews

White Background



This preview shows how the CIELCh color 62, 46.580, 51.673 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, 46.580, 51.673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

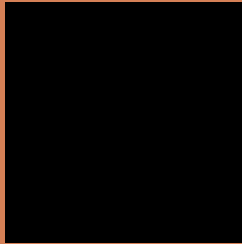
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 46.580, 51.673

Background



This preview shows how black text looks on a background with the CIELCh color 62, 46.580, 51.673.



This preview shows how white text looks on a background with the CIELCh color 62, 46.580, 51.673.

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, 46.580, 51.673

Protanopia

62, 31.515, 95.440

Deuteranopia

62, 38.478, 77.522



Tritanopia
62, 38.641, 16.625

Trichromacy



Original Color
62, 46.580, 51.673

Protanomaly
62, 33.983, 75.099

Deuteranomaly
62, 40.506, 66.977

Tritanomaly
62, 39.575, 31.404

Monochromacy



Original Color
62, 46.580, 51.673

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 15.549, 52.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 46.580, 51.673 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(213, 128, 86)` looks like.

```
.text, #text, p{  
    color:rgb(213, 128, 86)  
}
```

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(213, 128, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 128, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 46.580, 51.673 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(213, 128, 86) }
```

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

```
.border{ border-color:rgb(213, 128, 86) }
```

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

Here you see how a box with a 4 pixel rgb(213, 128, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 128, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 128, 86);  
box-shadow:4px 4px 4px 4px rgb(213, 128,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 46.580, 51.673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 128, 86) }
```

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

```
.background{ background-color: rgb(213,  
128, 86) }
```

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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