

Converting Colors

CIELCh(48, 30.341, 55.089)

Have a look what the booklet for
CIELCh(48, 30.341, 55.089) contains.

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Color

CIELCh(48, 30.062, 55.177)

Conversions

Conversions Part 1

Format	Color
Hex	996649
RGB	153, 102, 73
RGB Percent	60%, 40%, 29%
CMY	0.3995, 0.5995, 0.7133
CMYK	0.00, 0.33, 0.52, 0.40
HSL	22°, 35%, 44%
HSV	22°, 52%, 60%
XYZ	19.1319, 16.7945, 8.5566
YIQ	113.9430, 39.7050, 1.7930

Conversions

Conversions Part 2

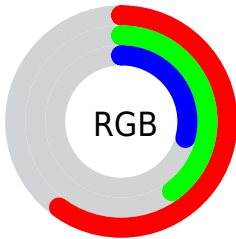
Format	Color
RYB	153, 118, 73
Decimal	10053193
CIELab	48.00, 17.17, 24.68
CIELCh	48, 30.062, 55.177
Yxy	16.7945, 0.4301, 0.3775
Android (android.graphics.Color)	4288243273 (0xFF996649)
YUV	113.9430, -20.1849, 34.2530
Hunter-Lab	40.9810, 11.6157, 16.3073

Details

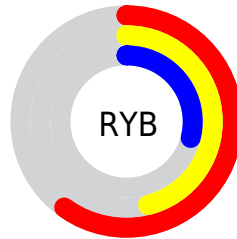
The CIELCh color **48, 30.062, 55.177** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **50, 22.600, 247.551**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 30.238, 54.728**, and **28, 30.192, 55.786** is the 20% darker color. If you saturate the color by 10%, you get **45, 36.983, 54.570**, and if you desaturate by 10%, it is **51, 23.494, 55.852**.

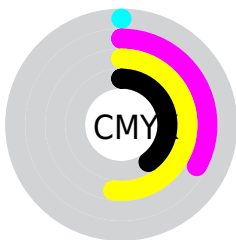
Distribution



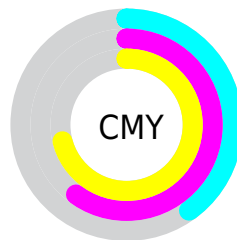
- Red (60%)
- Green (40%)
- Blue (29%)



- Red (60%)
- Yellow (46%)
- Blue (29%)



- Cyan (0%)
- Magenta (33%)
- Yellow (52%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 30.062, 55.177 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 48, 30.062, 55.177 by changing the saturation by 10% instead.

■ 48, 30.062, 55.177

■ 48, 30.062, 55.177

■ 100, 30.062,
55.177

■ 38, 30.062, 55.177

■ 68, 30.062, 55.177

■ 28, 30.062, 55.177

■ 78, 30.062, 55.177

■ 18, 30.062, 55.177

■ 88, 30.062, 55.177

■ 8, 30.062, 55.177

■ 98, 30.062, 55.177

■ 0, 30.062, 55.177

■ 48, 30.062, 55.177

■ 48, 30.062, 55.177

■ 45, 36.983, 54.570

■ 51, 23.494, 55.852

■ 43, 44.131, 53.973

■ 54, 17.323, 56.586

41, 51.201, 53.265

57, 11.549, 57.372

39, 57.560, 52.158

60, 6.149, 58.185

37, 62.121, 51.336

63, 1.092, 58.765

66, 3.657, 240.109

69, 8.131, 240.940

72, 12.363,
241.808

75, 16.381,
242.671

Harmonies

Complementary

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



48, 30.062, 55.177



50, 22.600, 247.551

Rectangle

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



48, 30.062, 55.177



48, 30.062, 105.177



48, 30.062, 235.177



48, 30.062, 285.177

Sweetspot

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



48, 30.061, 55.182



74, 10.071, 57.855



43, 42.460, 340.728



38, 6.824, 57.703



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



48, 30.061, 55.182



58, 46.592, 54.452



58, 37.868, 97.481



31, 2.805, 58.424



34, 58.089, 51.619



2, 2.951, 58.558

Inverse Universe

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



50, 22.600, 247.551



60, 32.449, 251.000



38, 41.695, 291.568



31, 2.694, 240.292



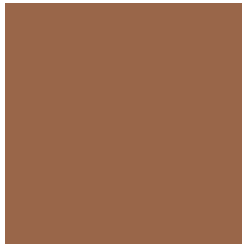
36, 34.539, 265.583



2, 2.962, 240.641

Previews

White Background



This preview shows how the CIELCh color 48, 30.062, 55.177 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 CIELCh color 48, 30.062, 55.177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

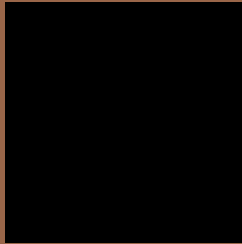
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 30.062, 55.177

Background



This preview shows how black text looks on a background with the CIELCh color 48, 30.062, 55.177.



This preview shows how white text looks on a background with the CIELCh color 48, 30.062, 55.177.

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

48, 30.062, 55.177

Protanopia

48, 21.467, 95.094

Deuteranopia

48, 25.804, 75.563



Tritanopia
48, 25.163, 13.616

Trichromacy



Original Color
48, 30.062, 55.177

Protanomaly
48, 23.203, 77.611

Deuteranomaly
48, 27.203, 66.545

Tritanomaly
48, 25.405, 30.342

Monochromacy



Original Color
48, 30.062, 55.177

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 10.166, 59.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 30.062, 55.177 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(153, 102, 73)` looks like.

```
.text, #text, p{  
    color:rgb(153, 102, 73)  
}
```

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(153, 102, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 102, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 30.062, 55.177 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(153, 102, 73) }
```

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

```
.border{ border-color:rgb(153, 102, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 102, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 102, 73); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 102, 73); box-shadow:4px 4px 4px 4px rgb(153, 102, 73) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 30.062, 55.177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 102, 73) }
```

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

```
.background{ background-color: rgb(153,  
102, 73) }
```

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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