

Converting Colors

CIELCh(51, 46.284, 63.789)

Have a look what the booklet for
CIELCh(51, 46.284, 63.789) contains.

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Color

CIELCh(51, 46.290, 63.820)

Conversions

Conversions Part 1

Format	Color
Hex	AB6B32
RGB	171, 107, 50
RGB Percent	67%, 42%, 20%
CMY	0.3312, 0.5819, 0.8054
CMYK	0.00, 0.37, 0.71, 0.33
HSL	28°, 55%, 43%
HSV	28°, 71%, 67%
XYZ	22.4809, 19.2686, 5.5099
YIQ	119.6380, 56.4410, -4.1590

Conversions

Conversions Part 2

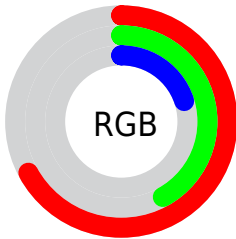
Format	Color
R_{YB}	171, 158, 50
Decimal	11234098
CIE _{Lab}	51.00, 20.42, 41.54
CIE _{LCh}	51, 46.290, 63.820
Yxy	19.2686, 0.4757, 0.4077
Android (android.graphics.Color)	4289424178 (0xFFAB6B32)
YUV	119.6380, -34.3315, 45.0445
Hunter-Lab	43.8960, 14.5989, 23.2851

Details

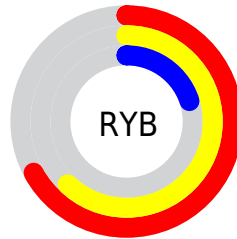
The CIELCh color **51, 46.290, 63.820** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **46, 36.392, 268.218**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 46.256, 64.109**, and **31, 46.342, 63.753** is the 20% darker color. If you saturate the color by 10%, you get **49, 53.242, 62.391**, and if you desaturate by 10%, it is **53, 39.062, 65.075**.

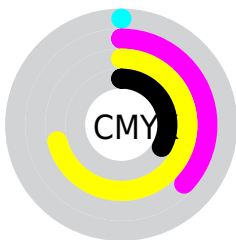
Distribution



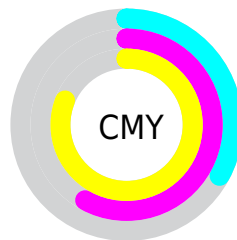
- Red (67%)
- Green (42%)
- Blue (20%)



- Red (67%)
- Yellow (62%)
- Blue (20%)



- Cyan (0%)
- Magenta (37%)
- Yellow (71%)
- Black (33%)



- Cyan (33%)
- Magenta (58%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 46.290, 63.820 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 51, 46.290, 63.820 by changing the saturation by 10% instead.

■ 51, 46.290, 63.820

■ 51, 46.290, 63.820

■ 100, 46.290,
63.820

■ 41, 46.290, 63.820

■ 71, 46.290, 63.820

■ 31, 46.290, 63.820

■ 81, 46.290, 63.820

■ 21, 46.290, 63.820

■ 91, 46.290, 63.820

■ 11, 46.290, 63.820

■ 1, 46.290, 63.820

■ 0, 46.290, 63.820

■ 51, 46.290, 63.820

■ 51, 46.290, 63.820

■ 49, 53.242, 62.391

■ 53, 39.062, 65.075

■ 47, 59.259, 60.533

■ 56, 31.913, 66.264

45, 63.765, 58.531

59, 25.007, 67.438

61, 18.408, 68.611

64, 12.132, 69.781

67, 6.168, 70.927

70, 0.492, 71.439

72, 4.923, 253.354

75, 10.103,
254.428

Harmonies

Complementary

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



51, 46.290, 63.820



46, 36.392, 268.218

Rectangle

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



51, 46.290, 63.820



51, 46.290, 113.820



51, 46.290, 243.820



51, 46.290, 293.820

Sweetspot

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



51, 46.289, 63.823



81, 15.117, 69.725



41, 55.269, 350.383



42, 10.385, 69.413



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



51, 46.289, 63.823



61, 69.107, 61.422



67, 59.039, 102.229



34, 3.154, 71.107



39, 57.269, 59.009



3, 5.466, 64.568

Inverse Universe

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



46, 36.392, 268.218



54, 53.146, 274.710



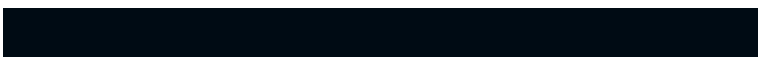
30, 73.161, 300.779



34, 3.076, 253.464



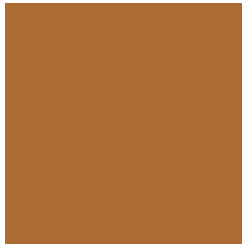
33, 44.655, 280.206



3, 5.969, 260.071

Previews

White Background



This preview shows how the CIELCh color 51, 46.290, 63.820 looks on a white 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

Black Background



This preview shows how the CIELCh color 51, 46.290, 63.820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

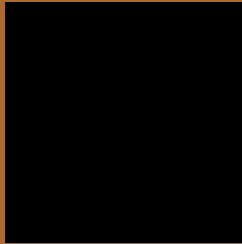
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 46.290, 63.820

Background



This preview shows how black text looks on a background with the CIELCh color 51, 46.290, 63.820.



This preview shows how white text looks on a background with the CIELCh color 51, 46.290, 63.820.

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

51, 46.290, 63.820

Protanopia

51, 38.536, 96.033

Deuteranopia

51, 42.805, 81.087



Tritanopia
51, 31.896, 15.550

Trichromacy



Original Color
51, 46.290, 63.820

Protanomaly
51, 39.625, 82.556

Deuteranomaly
51, 43.640, 74.610

Tritanomaly
51, 33.967, 37.611

Monochromacy



Original Color
51, 46.290, 63.820

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 15.903, 66.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 46.290, 63.820 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(171, 107, 50)` looks like.

```
.text, #text, p{  
    color:rgb(171, 107, 50)  
}
```

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(171, 107, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 107, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 46.290, 63.820 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(171, 107, 50) }
```

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

```
.border{ border-color:rgb(171, 107, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 107, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 107, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 107, 50);  
box-shadow:4px 4px 4px 4px rgb(171, 107,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 46.290, 63.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 107, 50) }
```

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

```
.background{ background-color: rgb(171,  
107, 50) }
```

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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