

Converting Colors

CIELCh(47, 30.000, 20.230)

Have a look what the booklet for
CIELCh(47, 30.000, 20.230) contains.

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Color

CIELCh(47, 30.001, 20.321)

Conversions

Conversions Part 1

Format	Color
Hex	A05C5F
RGB	160, 92, 95
RGB Percent	63%, 36%, 37%
CMY	0.3716, 0.6384, 0.6266
CMYK	0.00, 0.42, 0.41, 0.37
HSL	357°, 27%, 50%
HSV	357°, 42%, 63%
XYZ	20.4657, 16.0195, 12.8893
YIQ	112.6740, 39.5650, 15.3490

Conversions

Conversions Part 2

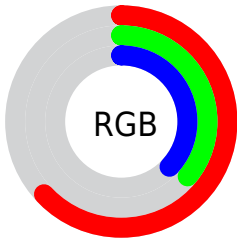
Format	Color
R_{YB}	160, 92, 95
Decimal	10509407
CIE _{Lab}	47.00, 28.13, 10.42
CIE _{LCh}	47, 30.001, 20.321
Yxy	16.0195, 0.4145, 0.3244
Android (android.graphics.Color)	4288699487 (0xFFA05C5F)
YUV	112.6740, -8.7133, 41.5049
Hunter-Lab	40.0243, 21.2300, 8.9234

Details

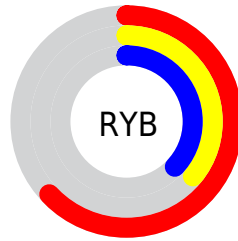
The CIELCh color **47, 30.001, 20.321** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **62, 22.871, 193.156**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 30.224, 20.412**, and **27, 30.124, 20.459** is the 20% darker color. If you saturate the color by 10%, you get **43, 38.016, 22.281**, and if you desaturate by 10%, it is **51, 22.245, 18.797**.

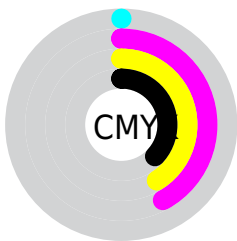
Distribution



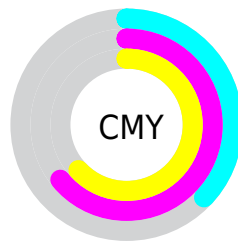
- Red (63%)
- Green (36%)
- Blue (37%)



- Red (63%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (42%)
- Yellow (41%)
- Black (37%)



- Cyan (37%)
- Magenta (64%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 30.001, 20.321 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 47, 30.001, 20.321 by changing the saturation by 10% instead.

47, 30.001, 20.321

47, 30.001, 20.321

100, 30.001,
20.321

37, 30.001, 20.321

67, 30.001, 20.321

27, 30.001, 20.321

77, 30.001, 20.321

17, 30.001, 20.321

87, 30.001, 20.321

7, 30.001, 20.321

97, 30.001, 20.321

0, 30.001, 20.321

47, 30.001, 20.321

47, 30.001, 20.321

43, 38.016, 22.281

51, 22.245, 18.797

40, 46.101, 24.780

56, 14.880, 17.593

37, 53.999, 27.906

60, 7.965, 16.620

35, 61.409, 31.619

65, 1.513, 15.613

34, 67.881, 35.550

70, 4.491, 195.404

33, 71.864, 37.920

74, 10.079,
194.836

79, 15.291,
194.394

84, 20.168,
194.024

89, 24.747,
193.710

Harmonies

Complementary

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



47, 30.001, 20.321



62, 22.871, 193.156

Rectangle

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



47, 30.001, 20.321



47, 30.001, 70.321



47, 30.001, 200.321



47, 30.001, 250.321

Sweetspot

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



47, 29.999, 20.324



76, 10.359, 16.692



49, 45.458, 325.175



39, 7.288, 16.884



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



47, 29.999, 20.324



56, 45.862, 22.177



54, 24.628, 65.064



31, 3.537, 16.337



29, 65.601, 37.394



1, 4.485, 15.937

Inverse Universe

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



47, 29.999, 20.324



56, 45.862, 22.177



53, 21.018, 256.839



31, 3.537, 16.337



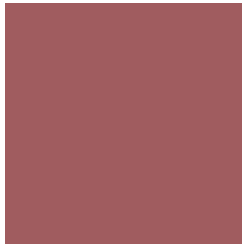
29, 65.601, 37.394



1, 4.485, 15.937

Previews

White Background



This preview shows how the CIELCh color 47, 30.001, 20.321 looks on a white background.

Color Contrast Check

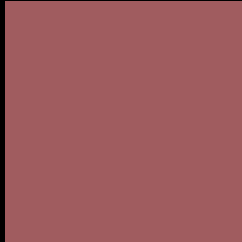
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 30.001, 20.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

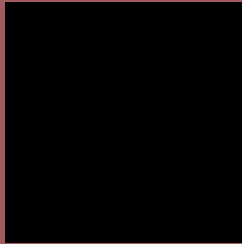
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 30.001, 20.321

Background



This preview shows how black text looks on a background with the CIELCh color 47, 30.001, 20.321.

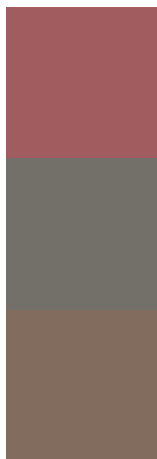


This preview shows how white text looks on a background with the CIELCh color 47, 30.001, 20.321.

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

47, 30.001, 20.321

Protanopia

47, 3.901, 84.328

Deuteranopia

47, 12.886, 63.046



Tritanopia
47, 30.235, 17.167

Trichromacy



Original Color
47, 30.001, 20.321

Protanomaly
47, 11.796, 29.349

Deuteranomaly
47, 17.612, 36.700

Tritanomaly
47, 30.292, 18.261

Monochromacy



Original Color
47, 30.001, 20.321

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 10.620, 14.379

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 30.001, 20.321 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(160, 92, 95)` looks like.

```
.text, #text, p{  
    color:rgb(160, 92, 95)  
}
```

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(160, 92, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 92, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 30.001, 20.321 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(160, 92, 95) }
```

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

```
.border{ border-color:rgb(160, 92, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 92, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 92, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 92, 95);  
box-shadow:4px 4px 4px 4px rgb(160, 92,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 30.001, 20.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 92, 95) }
```

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

```
.background{ background-color: rgb(160, 92,  
95) }
```

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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