

Converting Colors

CIELCh(47, 33.062, 5.643)

Have a look what the booklet for
CIELCh(47, 33.062, 5.643) contains.

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Color

CIELCh(47, 33.011, 6.120)

Conversions

Conversions Part 1

Format	Color
Hex	A4596B
RGB	164, 89, 107
RGB Percent	64%, 35%, 42%
CMY	0.3580, 0.6520, 0.5814
CMYK	0.00, 0.46, 0.35, 0.36
HSL	346°, 30%, 50%
HSV	346°, 46%, 64%
XYZ	21.4414, 16.0195, 15.8014
YIQ	113.4770, 38.9220, 21.4980

Conversions

Conversions Part 2

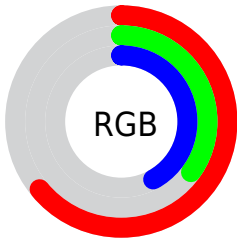
Format	Color
RYB	164, 89, 107
Decimal	10770795
CIELab	47.00, 32.82, 3.52
CIELCh	47, 33.011, 6.120
Yxy	16.0195, 0.4026, 0.3008
Android (android.graphics.Color)	4288960875 (0xFFA4596B)
YUV	113.4770, -3.1932, 44.3087
Hunter-Lab	40.0243, 25.5817, 4.6096

Details

The CIELCh color **47, 33.011, 6.120** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **62, 27.871, 175.653**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 32.800, 6.630**, and **27, 33.226, 6.154** is the 20% darker color. If you saturate the color by 10%, you get **43, 40.352, 8.272**, and if you desaturate by 10%, it is **51, 25.507, 4.386**.

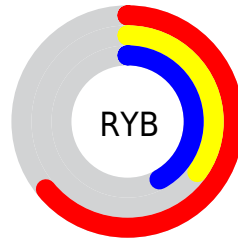
Distribution



Red (64%)

Green (35%)

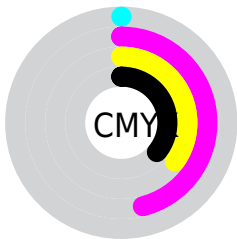
Blue (42%)



Red (64%)

Yellow (35%)

Blue (42%)

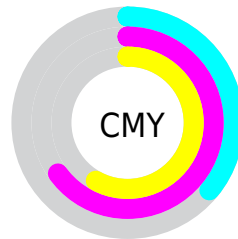


Cyan (0%)

Magenta (46%)

Yellow (35%)

Black (36%)



Cyan (36%)

Magenta (65%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 33.011, 6.120 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, 33.011, 6.120 by changing the saturation by 10% instead.


 47, 33.011, 6.120  47, 33.011, 6.120

 100, 33.011, 6.120  37, 33.011, 6.120


 67, 33.011, 6.120  27, 33.011, 6.120


 77, 33.011, 6.120  17, 33.011, 6.120

 87, 33.011, 6.120  7, 33.011, 6.120

 97, 33.011, 6.120  0, 33.011, 6.120

 47, 33.011, 6.120  47, 33.011, 6.120

 43, 40.352, 8.272  51, 25.507, 4.386

 40, 47.251, 10.972  55, 18.066, 2.956

 37, 53.409, 14.377  60, 10.830, 1.748

■ 36, 58.627, 18.614

■ 65, 3.881, 0.660

■ 34, 62.948, 23.644

■ 69, 2.744, 180.046

■ 34, 64.768, 25.728

■ 74, 9.039, 179.162

■ 79, 15.014,
178.455

■ 84, 20.692,
177.829

■ 88, 26.095,
177.266

Harmonies

Complementary

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



47, 33.011, 6.120



62, 27.871, 175.653

Rectangle

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



47, 33.011, 6.120



47, 33.011, 56.120



47, 33.011, 186.120



47, 33.011, 236.120

Sweetspot

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



47, 33.009, 6.122



77, 11.792, 1.577



47, 47.921, 319.196



40, 8.244, 1.807



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



47, 33.009, 6.122



56, 49.027, 8.322



51, 28.203, 44.280



32, 3.812, 1.038



30, 59.099, 25.104



1, 5.753, 1.921

Inverse Universe

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



47, 33.009, 6.122



56, 49.027, 8.322



57, 20.563, 229.595



32, 3.812, 1.038



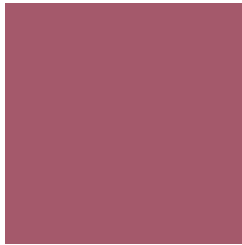
30, 59.099, 25.104



1, 5.753, 1.921

Previews

White Background



This preview shows how the CIELCh color 47, 33.011, 6.120 looks on a white background.

Color Contrast Check

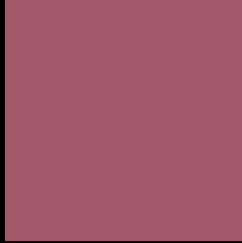
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.011, 6.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

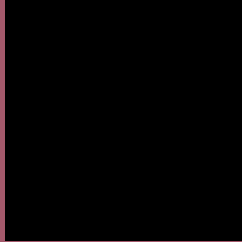
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 33.011, 6.120

Background



This preview shows how black text looks on a background with the CIELCh color 47, 33.011, 6.120.



This preview shows how white text looks on a background with the CIELCh color 47, 33.011, 6.120.

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, 33.011, 6.120

Protanopia

47, 5.350, 295.136

Deuteranopia

47, 8.238, 41.055



Tritanopia
47, 32.028, 16.856

Trichromacy



Original Color
47, 33.011, 6.120

Protanomaly
47, 13.510, 349.620

Deuteranomaly
47, 16.805, 15.618

Tritanomaly
47, 31.917, 12.695

Monochromacy



Original Color
47, 33.011, 6.120

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 11.978, 0.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 33.011, 6.120 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(164, 89, 107)` looks like.

```
.text, #text, p{  
    color:rgb(164, 89, 107)  
}
```

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(164, 89, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 89, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 33.011, 6.120 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(164, 89, 107) }
```

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

```
.border{ border-color:rgb(164, 89, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 89, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 89, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 89, 107); box-shadow:4px 4px 4px 4px rgb(164, 89, 107) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 33.011, 6.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 89, 107) }
```

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

```
.background{ background-color: rgb(164, 89,  
107) }
```

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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