

Converting Colors

CIELCh(47, 31.522, 125.022)

Have a look what the booklet for
CIELCh(47, 31.522, 125.022)
contains.

CIELCh(47, 31.560, 125.008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 31.560, 125.008)

Conversions

Conversions Part 1

Format	Color
Hex	607743
RGB	96, 119, 67
RGB Percent	38%, 47%, 26%
CMY	0.6244, 0.5342, 0.7380
CMYK	0.19, 0.00, 0.44, 0.53
HSL	87°, 28%, 36%
HSV	87°, 44%, 47%
XYZ	12.3790, 16.0195, 7.7179
YIQ	106.1950, 2.9840, -21.0480

Conversions

Conversions Part 2

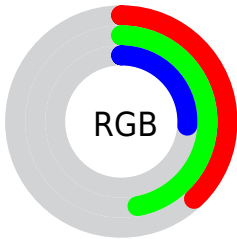
Format	Color
RYB	67, 119, 90
Decimal	6321987
CIELab	47.00, -18.11, 25.85
CIELCh	47, 31.560, 125.008
Yxy	16.0195, 0.3428, 0.4436
Android (android.graphics.Color)	4284512067 (0xFF607743)
YUV	106.1950, -19.3231, -8.9410
Hunter-Lab	40.0243, -14.8349, 16.5841

Details

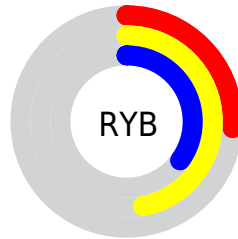
The CIELCh color $47, 31.560, 125.008$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $33, 33.819, 309.336$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 31.294, 124.585$, and $27, 31.141, 124.907$ is the 20% darker color. If you saturate the color by 10%, you get $46, 38.331, 124.607$, and if you desaturate by 10%, it is $48, 24.516, 125.468$.

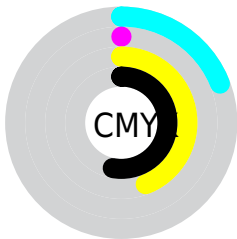
Distribution



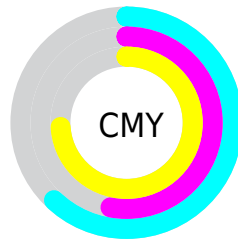
- Red (38%)
- Green (47%)
- Blue (26%)



- Red (26%)
- Yellow (47%)
- Blue (35%)



- Cyan (19%)
- Magenta (0%)
- Yellow (44%)
- Black (53%)




- Cyan (62%)
- Magenta (53%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 31.560, 125.008 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, 31.560, 125.008 by changing the saturation by 10% instead.

 47, 31.560,
125.008


 47, 31.560,
125.008


 100, 31.560,
125.008


 37, 31.560,
125.008

 67, 31.560,
125.008


 27, 31.560,
125.008

 77, 31.560,
125.008

 17, 31.560,
125.008

 87, 31.560,
125.008

 7, 31.560, 125.008

 97, 31.560,
125.008

 0, 31.560, 125.008

 47, 31.560,

 47, 31.560,

125.008

125.008

■ 46, 38.331,
124.607

■ 48, 24.516,
125.468

■ 46, 44.659,
124.316

■ 48, 17.313,
125.946

■ 46, 50.313,
124.220

■ 49, 10.034,
126.421

■ 45, 55.011,
124.422

■ 50, 2.737, 126.893

■ 45, 58.521,
125.010

■ 50, 4.539, 307.280

■ 45, 60.523,
125.372

■ 51, 11.762,
307.685

■ 52, 18.913,
308.051

■ 53, 25.975,
308.385

■ 54, 32.938,
308.687

Harmonies

Complementary

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



47, 31.560, 125.008



33, 33.819, 309.336

Rectangle

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



47, 31.560, 125.008



47, 31.560, 175.008



47, 31.560, 305.008



47, 31.560, 355.008

Sweetspot

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



47, 31.561, 125.010



63, 11.818, 126.442



40, 19.822, 63.302



33, 8.335, 126.354



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



47, 31.561, 125.010



60, 47.081, 124.586



45, 36.432, 139.761



24, 4.058, 126.643



46, 61.865, 125.424



89, 105.712, 126.319

Inverse Universe

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



33, 33.819, 309.336



39, 51.455, 309.958



36, 36.546, 324.683



23, 4.116, 307.431



17, 73.080, 311.063



38, 124.679, 310.462

Previews

White Background



This preview shows how the CIELCh color 47, 31.560, 125.008 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, 31.560, 125.008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

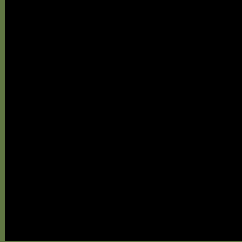
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 31.560, 125.008

Background



This preview shows how black text looks on a background with the CIELCh color 47, 31.560, 125.008.



This preview shows how white text looks on a background with the CIELCh color 47, 31.560, 125.008.

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

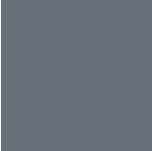
47, 31.560, 125.008

Protanopia

47, 27.768, 95.673

Deuteranopia

47, 25.172, 75.769



Tritanopia
47, 6.290, 257.384

Trichromacy



Original Color
47, 31.560, 125.008

Protanomaly
47, 28.256, 108.128

Deuteranomaly
47, 24.828, 97.094

Tritanomaly
47, 9.659, 145.725

Monochromacy



Original Color
47, 31.560, 125.008

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 11.886, 127.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 31.560, 125.008 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(96, 119, 67)` looks like.

```
.text, #text, p{  
    color:rgb(96, 119, 67)  
}
```

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(96, 119, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 119, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 31.560, 125.008 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(96, 119, 67) }
```

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

```
.border{ border-color:rgb(96, 119, 67) }
```

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

Here you see how a box with a 4 pixel rgb(96, 119, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 119, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 119, 67);  
box-shadow:4px 4px 4px 4px rgb(96, 119,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 31.560, 125.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 119, 67) }
```

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

```
.background{ background-color: rgb(96, 119,  
67) }
```

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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