

Converting Colors

CIELCh(47, 31.956, 116.574)

Have a look what the booklet for
CIELCh(47, 31.956, 116.574)
contains.

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Color

CIELCh(47, 31.990, 116.555)

Conversions

Conversions Part 1

Format	Color
Hex	68753E
RGB	104, 117, 62
RGB Percent	41%, 46%, 24%
CMY	0.5921, 0.5411, 0.7568
CMYK	0.11, 0.00, 0.47, 0.54
HSL	74°, 31%, 35%
HSV	74°, 47%, 46%
XYZ	12.9448, 16.0195, 6.9699
YIQ	106.8430, 9.9070, -19.8610

Conversions

Conversions Part 2

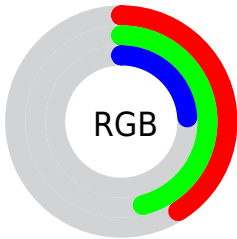
Format	Color
RYB	62, 117, 75
Decimal	6845758
CIELab	47.00, -14.30, 28.62
CIELCh	47, 31.990, 116.555
Yxy	16.0195, 0.3602, 0.4458
Android (android.graphics.Color)	4285035838 (0xFF68753E)
YUV	106.8430, -22.1076, -2.4933
Hunter-Lab	40.0243, -12.3113, 17.6921

Details

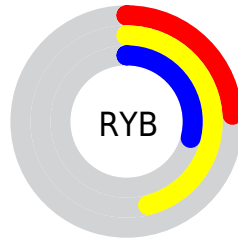
The CIELCh color $47, 31.990, 116.555$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $30, 35.513, 303.194$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 31.857, 116.704$, and $27, 32.250, 116.849$ is the 20% darker color. If you saturate the color by 10%, you get $47, 38.205, 116.061$, and if you desaturate by 10%, it is $47, 25.441, 117.129$.

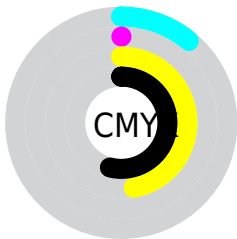
Distribution



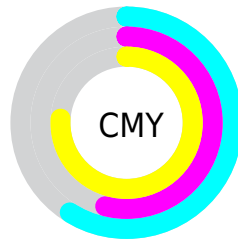
- Red (41%)
- Green (46%)
- Blue (24%)



- Red (24%)
- Yellow (46%)
- Blue (29%)



- Cyan (11%)
- Magenta (0%)
- Yellow (47%)
- Black (54%)





- Cyan (59%)
- Magenta (54%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 31.990, 116.555 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, 31.990, 116.555 by changing the saturation by 10% instead.


 47, 31.990,
116.555


 47, 31.990,
116.555


 100, 31.990,
116.555


 37, 31.990,
116.555

 67, 31.990,
116.555


 27, 31.990,
116.555

 77, 31.990,
116.555

 17, 31.990,
116.555

 87, 31.990,
116.555

 7, 31.990, 116.555

 97, 31.990,
116.555

 0, 31.990, 116.555

 47, 31.990,

 47, 31.990,

116.555

■ 47, 38.205,
116.061

■ 46, 43.897,
115.695

■ 46, 48.816,
115.531

■ 46, 52.672,
115.657

■ 46, 55.478,
116.065

■ 45, 56.319,
116.172

116.555

■ 47, 25.441,
117.129

■ 48, 18.683,
117.738

■ 48, 11.805,
118.358

■ 49, 4.866, 118.974

■ 49, 2.093, 299.559

■ 50, 9.043, 300.136

■ 51, 15.962,
300.679

■ 51, 22.836,
301.189

■ 52, 29.651,

Harmonies

Complementary

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



47, 31.990, 116.555



30, 35.513, 303.194

Rectangle

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



47, 31.990, 116.555



47, 31.990, 166.555



47, 31.990, 296.555



47, 31.990, 346.555

Sweetspot

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



47, 31.991, 116.557



62, 12.113, 118.522



36, 22.155, 42.691



32, 8.310, 118.415



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 31.991, 116.557



60, 46.710, 116.042



45, 36.254, 134.438



24, 3.919, 118.850



47, 58.176, 116.229



91, 98.961, 116.896

Inverse Universe

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



30, 35.513, 303.194



35, 53.452, 304.299



33, 37.275, 318.668



22, 3.992, 299.958



14, 75.888, 307.877



34, 129.427, 307.455

Previews

White Background



This preview shows how the CIELCh color 47, 31.990, 116.555 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 47, 31.990, 116.555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

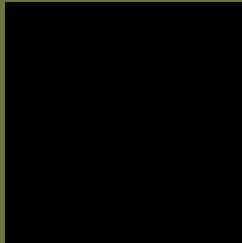
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 31.990, 116.555

Background



This preview shows how black text looks on a background with the CIELCh color 47, 31.990, 116.555.



This preview shows how white text looks on a background with the CIELCh color 47, 31.990, 116.555.

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, 31.990, 116.555

Protanopia

47, 30.034, 95.184

Deuteranopia

47, 27.977, 77.380



Tritanopia
47, 4.739, 290.830

Trichromacy



Original Color
47, 31.990, 116.555

Protanomaly
47, 29.947, 103.333

Deuteranomaly
47, 27.589, 92.637

Tritanomaly
47, 9.093, 122.370

Monochromacy



Original Color
47, 31.990, 116.555

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 11.998, 118.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 31.990, 116.555 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(104, 117, 62)` looks like.

```
.text, #text, p{  
    color:rgb(104, 117, 62)  
}
```

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(104, 117, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 117, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 31.990, 116.555 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(104, 117, 62) }
```

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

```
.border{ border-color:rgb(104, 117, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 117, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 117, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 117, 62);  
box-shadow:4px 4px 4px 4px rgb(104, 117,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 31.990, 116.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 117, 62) }
```

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

```
.background{ background-color: rgb(104,  
117, 62) }
```

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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