

Converting Colors

CIELCh(47, 40.117, 115.824)

Have a look what the booklet for
CIELCh(47, 40.117, 115.824)
contains.

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Color

CIELCh(47, 39.796, 115.612)

Conversions

Conversions Part 1

Format	Color
Hex	667630
RGB	102, 118, 48
RGB Percent	40%, 46%, 19%
CMY	0.5997, 0.5369, 0.8115
CMYK	0.14, 0.00, 0.59, 0.54
HSL	74°, 42%, 33%
HSV	74°, 59%, 46%
XYZ	12.5118, 16.0195, 5.2372
YIQ	105.2360, 12.9340, -25.1620

Conversions

Conversions Part 2

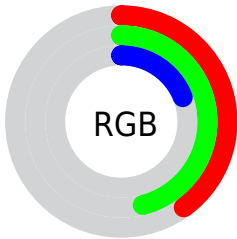
Format	Color
R_{YB}	48, 118, 64
Decimal	6714928
CIE _{Lab}	47.00, -17.20, 35.89
CIE _{LCh}	47, 39.796, 115.612
Yxy	16.0195, 0.3705, 0.4744
Android (android.graphics.Color)	4284905008 (0xFF667630)
YUV	105.2360, -28.2173, -2.8380
Hunter-Lab	40.0243, -14.2428, 20.2589

Details

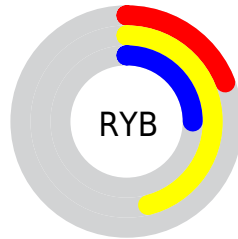
The CIELCh color $47, 39.796, 115.612$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $25, 45.866, 304.299$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 39.615, 115.367$, and $27, 39.237, 115.761$ is the 20% darker color. If you saturate the color by 10%, you get $47, 45.362, 115.278$, and if you desaturate by 10%, it is $47, 33.651, 116.094$.

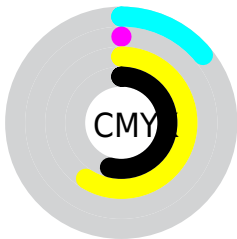
Distribution



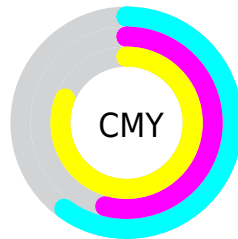
- Red (40%)
- Green (46%)
- Blue (19%)



- Red (19%)
- Yellow (46%)
- Blue (25%)



- Cyan (14%)
- Magenta (0%)
- Yellow (59%)
- Black (54%)





- Cyan (60%)
- Magenta (54%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 39.796, 115.612 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, 39.796, 115.612 by changing the saturation by 10% instead.


 47, 39.796,
115.612


 47, 39.796,
115.612


 100, 39.796,
115.612


 37, 39.796,
115.612

 67, 39.796,
115.612

 27, 39.796,
115.612

 77, 39.796,
115.612

 17, 39.796,
115.612

 87, 39.796,
115.612

 7, 39.796, 115.612

 97, 39.796,
115.612

 0, 39.796, 115.612

 47, 39.796,

 47, 39.796,

115.612

■ 47, 45.362,
115.278

■ 46, 50.078,
115.163

■ 46, 53.656,
115.354

■ 46, 56.376,
115.758

■ 46, 56.577,
115.782

115.612

■ 47, 33.651,
116.094

■ 48, 27.127,
116.660

■ 48, 20.367,
117.272

■ 49, 13.468,
117.900

■ 49, 6.494, 118.527

■ 50, 0.508, 299.105

■ 50, 7.508, 299.719

■ 51, 14.482,
300.277

■ 52, 21.415,

Harmonies

Complementary

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



47, 39.796, 115.612



25, 45.866, 304.299

Rectangle

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



47, 39.796, 115.612



47, 39.796, 165.612



47, 39.796, 295.612



47, 39.796, 345.612

Sweetspot

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



47, 39.797, 115.614



62, 15.545, 117.953



33, 29.748, 41.618



32, 10.730, 117.805



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, 39.797, 115.614



59, 56.836, 115.209



45, 45.100, 133.316



24, 3.915, 118.543



48, 58.063, 115.826



92, 98.752, 116.477

Inverse Universe

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



25, 45.866, 304.299



28, 68.450, 305.765



30, 46.749, 318.531



22, 3.989, 299.667



14, 75.976, 307.793



33, 129.565, 307.382

Previews

White Background



This preview shows how the CIELCh color 47, 39.796, 115.612 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, 39.796, 115.612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

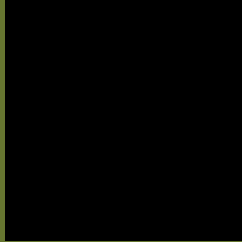
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 39.796, 115.612

Background



This preview shows how black text looks on a background with the CIELCh color 47, 39.796, 115.612.



This preview shows how white text looks on a background with the CIELCh color 47, 39.796, 115.612.

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, 39.796, 115.612

Protanopia
47, 37.358, 95.369

Deuteranopia
47, 35.013, 80.354



Tritanopia
47, 5.338, 286.687

Trichromacy



Original Color
47, 39.796, 115.612

Protanomaly
47, 37.681, 103.516

Deuteranomaly
47, 34.476, 94.191

Tritanomaly
47, 12.137, 122.783

Monochromacy



Original Color
47, 39.796, 115.612

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 15.555, 117.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 39.796, 115.612 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(102, 118, 48)` looks like.

```
.text, #text, p{  
    color:rgb(102, 118, 48)  
}
```

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(102, 118, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 118, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 39.796, 115.612 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(102, 118, 48) }
```

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

```
.border{ border-color:rgb(102, 118, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 118, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 118, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 118, 48);  
box-shadow:4px 4px 4px 4px rgb(102, 118,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 39.796, 115.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 118, 48) }
```

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

```
.background{ background-color: rgb(102,  
118, 48) }
```

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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