

Converting Colors

CIELCh(47, 13.868, 154.133)

Have a look what the booklet for
CIELCh(47, 13.868, 154.133)
contains.

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Color

CIELCh(47, 13.656, 154.172)

Conversions

Conversions Part 1

Format	Color
Hex	5D7565
RGB	93, 117, 101
RGB Percent	36%, 46%, 40%
CMY	0.6349, 0.5408, 0.6035
CMYK	0.20, 0.00, 0.14, 0.54
HSL	140°, 11%, 41%
HSV	140°, 20%, 46%
XYZ	13.2506, 16.0195, 14.7304
YIQ	108.0000, -9.1680, -10.0640

Conversions

Conversions Part 2

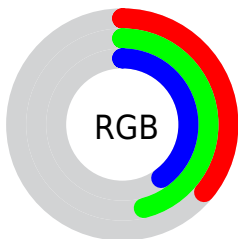
Format	Color
R_{YB}	93, 111, 117
Decimal	6124901
CIE Lab	47.00, -12.29, 5.95
CIE LCh	47, 13.656, 154.172
Yxy	16.0195, 0.3011, 0.3641
Android (android.graphics.Color)	4284314981 (0xFF5D7565)
YUV	108.0000, -3.4510, -13.1550
Hunter-Lab	40.0243, -10.9478, 6.1961

Details

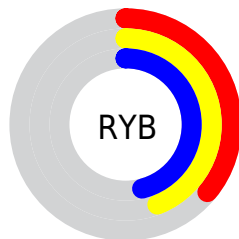
The CIELCh color $47, 13.656, 154.172$ is a dark color, and the websafe version is hex `336666`. A complement of this color would be $42, 13.793, 337.069$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 13.428, 154.051$, and $27, 14.154, 153.823$ is the 20% darker color. If you saturate the color by 10%, you get $46, 20.290, 153.275$, and if you desaturate by 10%, it is $48, 6.977, 154.971$.

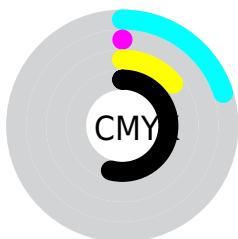
Distribution



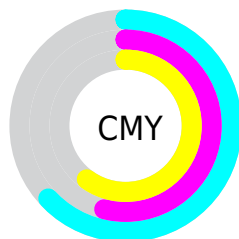
- Red (36%)
- Green (46%)
- Blue (40%)



- Red (36%)
- Yellow (44%)
- Blue (46%)



- Cyan (20%)
- Magenta (0%)
- Yellow (14%)
- Black (54%)





- Cyan (63%)
- Magenta (54%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 13.656, 154.172 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, 13.656, 154.172 by changing the saturation by 10% instead.


 47, 13.656,
154.172


 47, 13.656,
154.172


 100, 13.656,
154.172


 37, 13.656,
154.172

 67, 13.656,
154.172


 27, 13.656,
154.172

 77, 13.656,
154.172


 17, 13.656,
154.172


 87, 13.656,
154.172

 7, 13.656, 154.172

 97, 13.656,
154.172

 0, 13.656, 154.172

 47, 13.656,

 47, 13.656,

154.172

■ 46, 20.290,
153.275

■ 45, 26.784,
152.256

■ 45, 33.036,
151.095

■ 44, 38.932,
149.771

■ 43, 44.362,
148.275

■ 43, 49.231,
146.604

■ 43, 53.473,
144.778

■ 43, 57.059,
143.116

154.172

■ 48, 6.977, 154.971

■ 49, 0.325, 156.356

■ 50, 6.242, 336.209

■ 52, 12.681,
336.781

■ 53, 18.964,
337.285

■ 55, 25.072,
337.740

■ 56, 30.995,
338.155

■ 58, 36.731,
338.536

■ 60, 42.280,

Harmonies

Complementary

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



47, 13.656, 154.172



42, 13.793, 337.069

Rectangle

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



47, 13.656, 154.172



47, 13.656, 204.172



47, 13.656, 334.172



47, 13.656, 24.172

Sweetspot

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



47, 13.657, 154.171



62, 4.951, 155.306



48, 14.404, 121.332



32, 3.266, 155.269



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, 13.657, 154.171



60, 20.729, 153.724



47, 9.757, 182.819



24, 3.743, 155.083



44, 59.038, 143.009



86, 102.883, 141.798

Inverse Universe

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



42, 13.793, 337.069



53, 20.976, 337.461



42, 10.598, 6.466



23, 3.764, 336.229



26, 52.903, 346.517



55, 88.759, 347.901

Previews

White Background



This preview shows how the CIELCh color 47, 13.656, 154.172 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, 13.656, 154.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

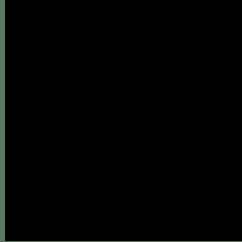
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 13.656, 154.172

Background



This preview shows how black text looks on a background with the CIELCh color 47, 13.656, 154.172.

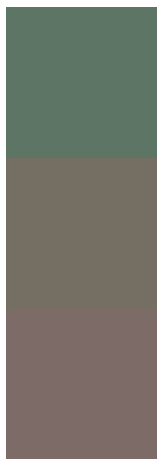


This preview shows how white text looks on a background with the CIELCh color 47, 13.656, 154.172.

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, 13.656, 154.172

Protanopia

47, 7.947, 93.511

Deuteranopia

47, 8.034, 37.233



Tritanopia
47, 8.218, 239.470

Trichromacy



Original Color
47, 13.656, 154.172

Protanomaly
47, 8.523, 123.322

Deuteranomaly
47, 5.369, 100.428

Tritanomaly
47, 7.383, 198.619

Monochromacy



Original Color
47, 13.656, 154.172

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.864, 151.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 13.656, 154.172 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(93, 117, 101)` looks like.

```
.text, #text, p{  
    color:rgb(93, 117, 101)  
}
```

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(93, 117, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 117, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 13.656, 154.172 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(93, 117, 101) }
```

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

```
.border{ border-color:rgb(93, 117, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 117, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 117, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 117, 101);  
box-shadow:4px 4px 4px 4px rgb(93, 117,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 13.656, 154.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 117, 101) }
```

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

```
.background{ background-color: rgb(93, 117,  
101) }
```

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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