

Converting Colors

CIELCh(47, 31.289, 159.830)

Have a look what the booklet for
CIELCh(47, 31.289, 159.830)
contains.

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Color

CIELCh(47, 31.641, 159.564)

Conversions

Conversions Part 1

Format	Color
Hex	387C5C
RGB	56, 124, 92
RGB Percent	22%, 49%, 36%
CMY	0.7805, 0.5138, 0.6393
CMYK	0.55, 0.00, 0.26, 0.51
HSL	152°, 38%, 35%
HSV	152°, 55%, 49%
XYZ	10.7633, 16.0195, 12.6432
YIQ	100.0200, -30.2560, -24.3680

Conversions

Conversions Part 2

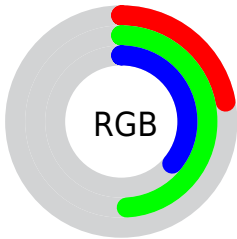
Format	Color
RYB	56, 100, 124
Decimal	3701852
CIELab	47.00, -29.65, 11.05
CIELCh	47, 31.641, 159.564
Yxy	16.0195, 0.2730, 0.4063
Android (android.graphics.Color)	4281891932 (0xFF387C5C)
YUV	100.0200, -3.9539, -38.6055
Hunter-Lab	40.0243, -22.0403, 9.2880




Details

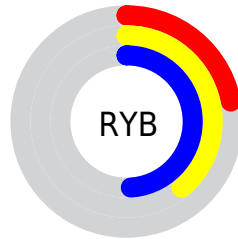
The CIELCh color **47, 31.641, 159.564** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **34, 33.806, 351.285**, and the grayscale version is **42, 0.006, 296.813**.




A 20% lighter version of the original color is **67, 31.794, 159.507**, and **27, 30.458, 158.662** is the 20% darker color. If you saturate the color by 10%, you get **46, 36.516, 158.083**, and if you desaturate by 10%, it is **48, 26.356, 160.878**.

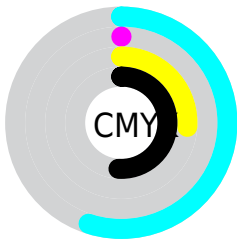
Distribution







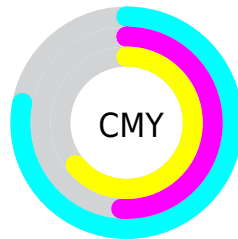
-  Red (22%)
-  Green (49%)
-  Blue (36%)






-  Red (22%)
-  Yellow (39%)
-  Blue (49%)



-  Cyan (55%)
-  Magenta (0%)
-  Yellow (26%)
-  Black (51%)





-  Cyan (78%)
-  Magenta (51%)
-  Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 31.641, 159.564 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, 31.641, 159.564 by changing the saturation by 10% instead.


 47, 31.641,
159.564


 47, 31.641,
159.564


 100, 31.641,
159.564


 37, 31.641,
159.564

 67, 31.641,
159.564


 27, 31.641,
159.564

 77, 31.641,
159.564

 17, 31.641,
159.564

 87, 31.641,
159.564

 7, 31.641, 159.564

 97, 31.641,
159.564

 0, 31.641, 159.564

 47, 31.641,

 47, 31.641,

159.564

■ 46, 36.516,
158.083

■ 46, 40.905,
156.418

■ 46, 44.761,
154.556

■ 45, 48.102,
152.524

■ 45, 49.754,
151.531

159.564

■ 48, 26.356,
160.878

■ 48, 20.751,
162.050

■ 49, 14.919,
163.101

■ 50, 8.951, 164.056

■ 51, 2.922, 164.978

■ 53, 3.102, 345.565

■ 54, 9.070, 346.347

■ 55, 14.943,
347.027

■ 57, 20.696,
347.655

Harmonies

Complementary

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



47, 31.641, 159.564



34, 33.806, 351.285

Rectangle

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



47, 31.641, 159.564



47, 31.641, 209.564



47, 31.641, 339.564



47, 31.641, 29.564

Sweetspot

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



47, 31.642, 159.563



64, 11.917, 163.915



48, 41.236, 127.251



33, 8.104, 163.759



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



47, 31.642, 159.563



59, 45.595, 157.650



48, 21.876, 198.902



25, 3.360, 164.582



46, 50.056, 151.511



88, 86.511, 150.190

Inverse Universe

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



34, 33.806, 351.285



40, 48.721, 353.603



33, 32.376, 26.678



24, 3.405, 345.956



26, 49.878, 3.156



54, 83.792, 5.804

Previews

White Background



This preview shows how the CIELCh color 47, 31.641, 159.564 looks on a white background.

Color Contrast Check

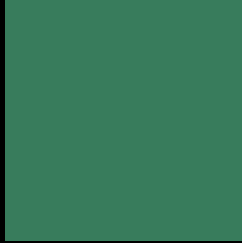
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.641, 159.564 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, 31.641, 159.564

Background



This preview shows how black text looks on a background with the CIELCh color 47, 31.641, 159.564.



This preview shows how white text looks on a background with the CIELCh color 47, 31.641, 159.564.

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, 31.641, 159.564

Protanopia

47, 15.020, 96.200

Deuteranopia

47, 10.933, 56.352



Tritanopia
47, 18.140, 216.919

Trichromacy



Original Color
47, 31.641, 159.564

Protanomaly
46, 18.747, 136.195

Deuteranomaly
46, 11.798, 134.018

Tritanomaly
47, 20.534, 188.835

Monochromacy



Original Color
47, 31.641, 159.564

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 12.492, 162.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 31.641, 159.564 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(56, 124, 92)` looks like.

```
.text, #text, p{  
    color:rgb(56, 124, 92)  
}
```

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(56, 124, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 124, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 31.641, 159.564 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(56, 124, 92) }
```

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

```
.border{ border-color:rgb(56, 124, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 124, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 124, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 124, 92);  
box-shadow:4px 4px 4px 4px rgb(56, 124,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 31.641, 159.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 124, 92) }
```

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

```
.background{ background-color: rgb(56, 124,  
92) }
```

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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