

Converting Colors

CIELCh(47, 32.749, 173.228)

Have a look what the booklet for
CIELCh(47, 32.749, 173.228)
contains.

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Color

CIELCh(47, 32.564, 173.472)

Conversions

Conversions Part 1

Format	Color
Hex	1D7D68
RGB	29, 125, 104
RGB Percent	11%, 49%, 41%
CMY	0.8845, 0.5086, 0.5910
CMYK	0.76, 0.00, 0.17, 0.51
HSL	167°, 62%, 30%
HSV	167°, 76%, 49%
XYZ	10.4065, 16.0195, 15.7191
YIQ	93.9020, -50.4750, -26.8830

Conversions

Conversions Part 2

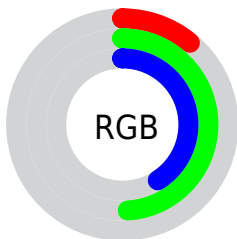
Format	Color
R _Y B	29, 83, 125
Decimal	1932648
CIE Lab	47.00, -32.35, 3.70
CIE LCh	47, 32.564, 173.472
Yxy	16.0195, 0.2469, 0.3801
Android (android.graphics.Color)	4280122728 (0xFF1D7D68)
YUV	93.9020, 4.9783, -56.9191
Hunter-Lab	40.0243, -23.6316, 4.7316

Details

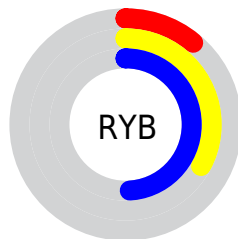
The CIELCh color **47, 32.564, 173.472** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 43.607, 15.634**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 32.349, 173.539**, and **28, 26.248, 169.107** is the 20% darker color. If you saturate the color by 10%, you get **47, 34.863, 171.904**, and if you desaturate by 10%, it is **47, 29.708, 174.886**.

Distribution



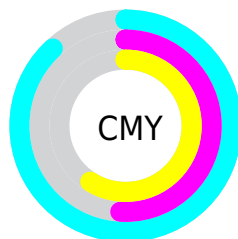
- Red (11%)
- Green (49%)
- Blue (41%)



- Red (11%)
- Yellow (33%)
- Blue (49%)



- Cyan (76%)
- Magenta (0%)
- Yellow (17%)
- Black (51%)



- Cyan (88%)
- Magenta (51%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 32.564, 173.472 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, 32.564, 173.472 by changing the saturation by 10% instead.

 47, 32.564,
173.472


 47, 32.564,
173.472


 100, 32.564,
173.472

 37, 32.564,
173.472

 67, 32.564,
173.472

 27, 32.564,
173.472

 77, 32.564,
173.472

 17, 32.564,
173.472

 87, 32.564,
173.472

 7, 32.564, 173.472

 97, 32.564,
173.472

 0, 32.564, 173.472

 47, 32.564,

 47, 32.564,

173.472

173.472

■ 47, 34.863,
171.904

■ 47, 29.708,
174.886

■ 47, 36.684,
170.206

■ 48, 26.309,
176.168

■ 46, 37.304,
169.631

■ 48, 22.417,
177.340

■ 49, 18.099,
178.421

■ 50, 13.434,
179.430

■ 51, 8.504, 180.387

■ 52, 3.386, 181.341

■ 53, 1.853, 1.891

■ 54, 7.154, 2.848

Harmonies

Complementary

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



47, 32.564, 173.472



28, 43.607, 15.634

Rectangle

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



47, 32.564, 173.472



47, 32.564, 223.472



47, 32.564, 353.472



47, 32.564, 43.472

Sweetspot

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



47, 32.564, 173.471



64, 14.559, 179.716



46, 59.164, 133.843



33, 9.969, 179.422



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, 32.564, 173.471



60, 43.965, 170.583



39, 23.894, 239.013



26, 2.976, 181.081



47, 37.790, 169.595



0, 0.000, 0.000

Inverse Universe

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



28, 43.607, 15.634



35, 61.847, 23.378



32, 41.538, 46.269



25, 3.075, 2.542



26, 54.096, 26.034



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 32.564, 173.472 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, 32.564, 173.472 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, 32.564, 173.472

Background



This preview shows how black text looks on a background with the CIELCh color 47, 32.564, 173.472.

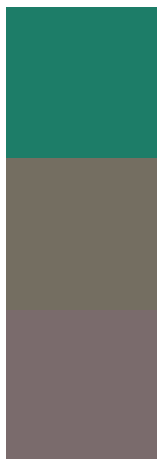


This preview shows how white text looks on a background with the CIELCh color 47, 32.564, 173.472.

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, 32.564, 173.472

Protanopia

47, 8.087, 90.549

Deuteranopia

47, 6.291, 14.757



Tritanopia
47, 23.521, 210.338

Trichromacy



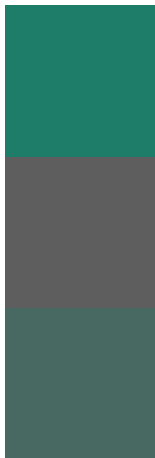
Original Color
47, 32.564, 173.472

Protanomaly
46, 15.718, 160.523

Deuteranomaly
46, 11.106, 176.089

Tritanomaly
47, 25.714, 194.045

Monochromacy



Original Color
47, 32.564, 173.472

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 13.931, 179.953

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 32.564, 173.472 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(29, 125, 104)` looks like.

```
.text, #text, p{  
    color:rgb(29, 125, 104)  
}
```

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(29, 125, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 125, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 32.564, 173.472 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(29, 125, 104) }
```

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

```
.border{ border-color:rgb(29, 125, 104) }
```

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

Here you see how a box with a 4 pixel rgb(29, 125, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 125, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 125, 104);  
box-shadow:4px 4px 4px 4px rgb(29, 125,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 32.564, 173.472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 125, 104) }
```

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

```
.background{ background-color: rgb(29, 125,  
104) }
```

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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