

Converting Colors

CIELCh(46, 14.821, 193.131)

Have a look what the booklet for
CIELCh(46, 14.821, 193.131)
contains.

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Color

CIELCh(46, 14.821, 193.131)

Conversions

Conversions Part 1

Format	Color
Hex	4C7472
RGB	76, 116, 114
RGB Percent	30%, 45%, 45%
CMY	0.7016, 0.5447, 0.5526
CMYK	0.34, 0.00, 0.02, 0.54
HSL	177°, 21%, 38%
HSV	177°, 34%, 46%
XYZ	12.2857, 15.2687, 18.2459
YIQ	103.8120, -23.1980, -9.1020

Conversions

Conversions Part 2

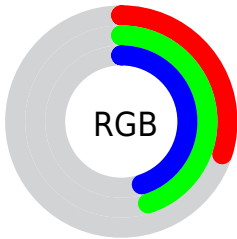
Format	Color
R_{YB}	76, 97, 116
Decimal	5010546
CIE _{Lab}	46.00, -14.43, -3.37
CIE _{LCh}	46, 14.821, 193.131
Yxy	15.2687, 0.2682, 0.3334
Android (android.graphics.Color)	4283200626 (0xFF4C7472)
YUV	103.8120, 5.0227, -24.3911
Hunter-Lab	39.0751, -12.2589, -0.3326

Details

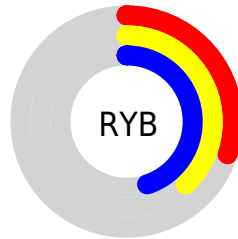
The CIELCh color **46, 14.821, 193.131** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **37, 18.188, 18.467**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 14.636, 193.807**, and **26, 14.901, 191.940** is the 20% darker color. If you saturate the color by 10%, you get **45, 18.386, 192.531**, and if you desaturate by 10%, it is **47, 10.868, 193.743**.

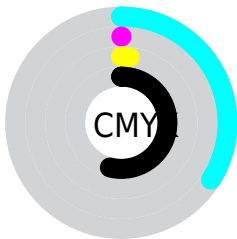
Distribution



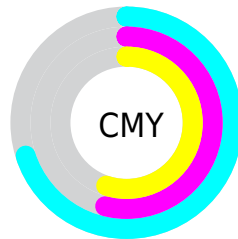
- Red (30%)
- Green (45%)
- Blue (45%)



- Red (30%)
- Yellow (38%)
- Blue (45%)



- Cyan (34%)
- Magenta (0%)
- Yellow (2%)
- Black (54%)





- Cyan (70%)
- Magenta (54%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 14.821, 193.131 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 46, 14.821, 193.131 by changing the saturation by 10% instead.


 46, 14.821,
193.131


 46, 14.821,
193.131


 100, 14.821,
193.131


 36, 14.821,
193.131

 66, 14.821,
193.131


 26, 14.821,
193.131

 76, 14.821,
193.131

 16, 14.821,
193.131


 86, 14.821,
193.131

 6, 14.821, 193.131

 96, 14.821,
193.131

 0, 14.821, 193.131

 46, 14.821,

 46, 14.821,

193.131

■ 45, 18.386,
192.531

■ 45, 21.498,
191.947

■ 44, 24.101,
191.371

■ 44, 26.161,
190.796

■ 44, 27.669,
190.212

■ 44, 28.673,
189.610

■ 44, 29.168,
189.283

193.131

■ 47, 10.868,
193.743

■ 48, 6.597, 194.385

■ 48, 2.077, 195.138

■ 49, 2.629, 15.465

■ 51, 7.465, 16.204

■ 52, 12.381, 16.877

■ 53, 17.341, 17.538

■ 54, 22.312, 18.193

■ 56, 27.270, 18.841

Harmonies

Complementary

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



46, 14.821, 193.131



37, 18.188, 18.467

Rectangle

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



46, 14.821, 193.131



46, 14.821, 243.131



46, 14.821, 13.131



46, 14.821, 63.131

Sweetspot

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



46, 14.821, 193.128



61, 5.697, 194.671



45, 28.329, 140.524



32, 3.907, 194.594



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 14.821, 193.128



58, 21.183, 192.674



41, 13.084, 252.824



24, 2.622, 194.758



46, 30.301, 189.245



89, 51.503, 188.867

Inverse Universe

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



37, 18.188, 18.467



45, 27.361, 19.587



41, 14.913, 64.256



23, 2.754, 15.804



24, 57.660, 35.994



52, 101.062, 38.604

Previews

White Background



This preview shows how the CIELCh color 46, 14.821, 193.131 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 46, 14.821, 193.131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

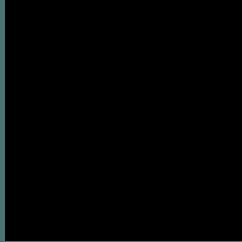
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 14.821, 193.131

Background



This preview shows how black text looks on a background with the CIELCh color 46, 14.821, 193.131.



This preview shows how white text looks on a background with the CIELCh color 46, 14.821, 193.131.

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

46, 14.821, 193.131

Protanopia

46, 1.020, 343.534

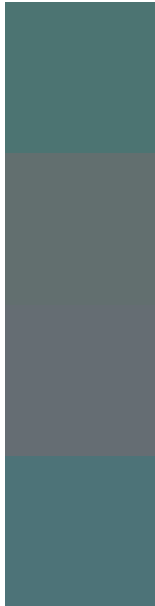
Deuteranopia

46, 7.945, 324.913



Tritanopia
46, 14.002, 220.722

Trichromacy



Original Color
46, 14.821, 193.131

Protanomaly
46, 5.149, 198.875

Deuteranomaly
46, 4.703, 248.768

Tritanomaly
46, 13.905, 210.409

Monochromacy



Original Color
46, 14.821, 193.131

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 5.555, 198.809

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 14.821, 193.131 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(76, 116, 114)` looks like.

```
.text, #text, p{  
    color:rgb(76, 116, 114)  
}
```

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(76, 116, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 116, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 14.821, 193.131 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(76, 116, 114) }
```

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

```
.border{ border-color:rgb(76, 116, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 116, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 116, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 116, 114);  
box-shadow:4px 4px 4px 4px rgb(76, 116,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 14.821, 193.131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 116, 114) }
```

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

```
.background{ background-color: rgb(76, 116,  
114) }
```

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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