

Converting Colors

CIELCh(46, 14.807, 132.202)

Have a look what the booklet for
CIELCh(46, 14.807, 132.202)
contains.

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Color

CIELCh(46, 14.844, 131.929)

Conversions

Conversions Part 1

Format	Color
Hex	63715A
RGB	99, 113, 90
RGB Percent	39%, 44%, 35%
CMY	0.6109, 0.5560, 0.6462
CMYK	0.12, 0.00, 0.20, 0.56
HSL	97°, 11%, 40%
HSV	97°, 20%, 44%
XYZ	12.9557, 15.2687, 11.9864
YIQ	106.1920, -0.9610, -10.1210

Conversions

Conversions Part 2

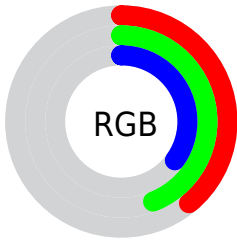
Format	Color
RYP	90, 113, 104
Decimal	6517082
CIELab	46.00, -9.92, 11.04
CIElCh	46, 14.844, 131.929
Yxy	15.2687, 0.3222, 0.3797
Android (android.graphics.Color)	4284707162 (0xFF63715A)
YUV	106.1920, -7.9827, -6.3074
Hunter-Lab	39.0751, -9.1982, 9.1653

Details

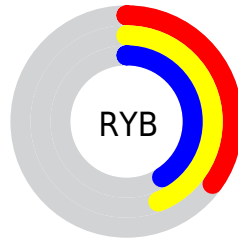
The CIELCh color $46, 14.844, 131.929$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $40, 15.143, 313.596$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 15.020, 131.849$, and $26, 14.938, 131.826$ is the 20% darker color. If you saturate the color by 10%, you get $45, 22.135, 131.465$, and if you desaturate by 10%, it is $47, 7.524, 132.373$.

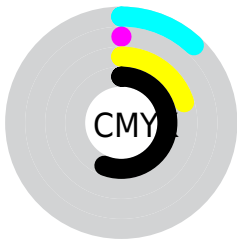
Distribution



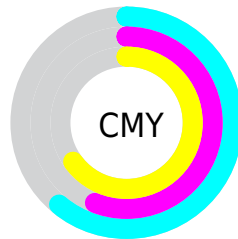
- Red (39%)
- Green (44%)
- Blue (35%)



- Red (35%)
- Yellow (44%)
- Blue (41%)



- Cyan (12%)
- Magenta (0%)
- Yellow (20%)
- Black (56%)





- Cyan (61%)
- Magenta (56%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 14.844, 131.929 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, 14.844, 131.929 by changing the saturation by 10% instead.


 46, 14.844,
131.929


 46, 14.844,
131.929


 100, 14.844,
131.929


 36, 14.844,
131.929

 66, 14.844,
131.929


 26, 14.844,
131.929

 76, 14.844,
131.929

 16, 14.844,
131.929


 86, 14.844,
131.929

 6, 14.844, 131.929

 96, 14.844,
131.929

 0, 14.844, 131.929

 46, 14.844,

 46, 14.844,

131.929

■ 45, 22.135,
131.465

■ 45, 29.317,
130.988

■ 44, 36.283,
130.528

■ 43, 42.885,
130.131

■ 43, 48.916,
129.866

■ 42, 54.117,
129.833

■ 42, 58.203,
130.143

■ 42, 61.489,
130.517

131.929

■ 47, 7.524, 132.373

■ 48, 0.228, 133.204

■ 49, 7.004, 313.109

■ 50, 14.143,
313.442

■ 51, 21.169,
313.733

■ 52, 28.068,
313.989

■ 53, 34.832,
314.214

■ 54, 41.457,
314.411

■ 55, 47.940,

Harmonies

Complementary

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



46, 14.844, 131.929



40, 15.143, 313.596

Rectangle

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



46, 14.844, 131.929



46, 14.844, 181.929



46, 14.844, 311.929



46, 14.844, 1.929

Sweetspot

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



46, 14.845, 131.931



61, 5.434, 132.554



44, 9.160, 82.923



31, 3.582, 132.534



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 14.845, 131.931



59, 21.824, 131.732



45, 15.629, 146.005



23, 4.067, 132.431



44, 64.100, 130.612



87, 110.513, 131.456

Inverse Universe

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



40, 15.143, 313.596



51, 22.356, 313.783



41, 15.655, 328.380



22, 4.107, 313.113



19, 69.555, 315.054



43, 119.320, 314.452

Previews

White Background



This preview shows how the CIELCh color 46, 14.844, 131.929 looks on a white background.

Color Contrast Check

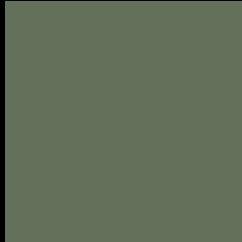
Large Text (above 18pt) WCAG AA ✓ Pass

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, 14.844, 131.929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

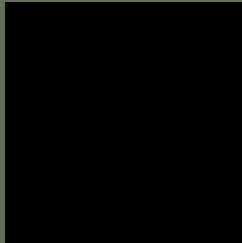
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

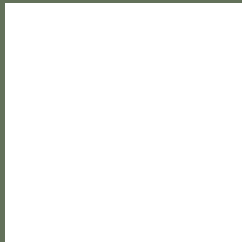
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 14.844, 131.929

Background



This preview shows how black text looks on a background with the CIELCh color 46, 14.844, 131.929.



This preview shows how white text looks on a background with the CIELCh color 46, 14.844, 131.929.

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, 14.844, 131.929

Protanopia

46, 12.673, 96.403

Deuteranopia

46, 11.776, 60.643



Tritanopia
46, 5.658, 270.718

Trichromacy



Original Color
46, 14.844, 131.929

Protanomaly
46, 12.985, 112.200

Deuteranomaly
46, 10.650, 89.589

Tritanomaly
46, 4.073, 173.066

Monochromacy



Original Color
46, 14.844, 131.929

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 5.751, 130.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 14.844, 131.929 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(99, 113, 90)` looks like.

```
.text, #text, p{  
    color:rgb(99, 113, 90)  
}
```

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(99, 113, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 113, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 14.844, 131.929 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(99, 113, 90) }
```

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

```
.border{ border-color:rgb(99, 113, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 113, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 113, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 113, 90);  
box-shadow:4px 4px 4px 4px rgb(99, 113,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 14.844, 131.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 113, 90) }
```

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

```
.background{ background-color: rgb(99, 113,  
90) }
```

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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