

Converting Colors

CIELCh(46, 4.755, 134.615)

Have a look what the booklet for
CIELCh(46, 4.755, 134.615) contains.

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Color

CIELCh(46, 4.479, 131.293)

Conversions

Conversions Part 1

Format	Color
Hex	6A6E67
RGB	106, 110, 103
RGB Percent	42%, 43%, 40%
CMY	0.5833, 0.5676, 0.5951
CMYK	0.04, 0.00, 0.06, 0.57
HSL	94°, 3%, 42%
HSV	94°, 6%, 43%
XYZ	14.0362, 15.2687, 15.1038
YIQ	108.0060, -0.1370, -3.0250

Conversions

Conversions Part 2

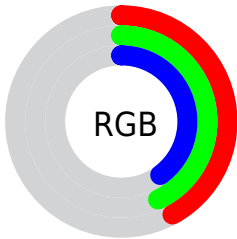
Format	Color
R_{YB}	103, 110, 107
Decimal	6975079
CIE Lab	46.00, -2.96, 3.37
CIE LCh	46, 4.479, 131.293
Yxy	15.2687, 0.3161, 0.3438
Android (android.graphics.Color)	4285165159 (0xFF6A6E67)
YUV	108.0060, -2.4680, -1.7593
Hunter-Lab	39.0751, -4.2625, 4.4352

Details

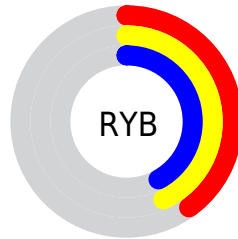
The CIELCh color $46, 4.479, 131.293$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 4.520, 311.760$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 4.835, 133.141$, and $26, 4.935, 131.125$ is the 20% darker color. If you saturate the color by 10%, you get $45, 11.567, 130.863$, and if you desaturate by 10%, it is $47, 2.571, 311.631$.

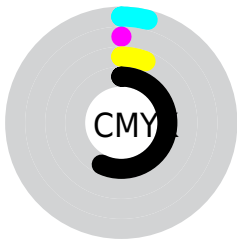
Distribution



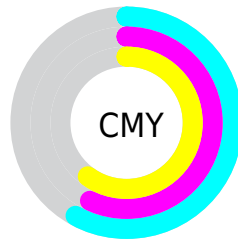
- Red (42%)
- Green (43%)
- Blue (40%)



- Red (40%)
- Yellow (43%)
- Blue (42%)



- Cyan (4%)
- Magenta (0%)
- Yellow (6%)
- Black (57%)



- Cyan (58%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 4.479, 131.293 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, 4.479, 131.293 by changing the saturation by 10% instead.

■ 46, 4.479, 131.293

■ 46, 4.479, 131.293

■ 100, 4.479,
131.293

■ 36, 4.479, 131.293

■ 66, 4.479, 131.293

■ 26, 4.479, 131.293

■ 76, 4.479, 131.293

■ 16, 4.479, 131.293

■ 86, 4.479, 131.293

■ 6, 4.479, 131.293

■ 96, 4.479, 131.293

■ 0, 4.479, 131.293

■ 46, 4.479, 131.293

■ 46, 4.479, 131.293

■ 45, 11.567,
130.863

■ 47, 2.571, 311.631

■ 44, 18.642,

■ 48, 9.556, 312.010

130.411

49, 16.449,
312.331

44, 25.642,
129.947

50, 23.236,
312.617

43, 32.480,
129.492

51, 29.903,
312.870

43, 39.031,
129.085

52, 36.446,
313.093

42, 45.122,
128.786

53, 42.859,
313.290

42, 50.524,
128.682

54, 49.142,
313.463

41, 54.963,
128.880

55, 55.295,
313.614

41, 58.416,
129.360

Harmonies

Complementary

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



46, 4.479, 131.293



44, 4.520, 311.760

Rectangle

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



46, 4.479, 131.293



46, 4.479, 181.293



46, 4.479, 311.293



46, 4.479, 1.293

Sweetspot

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



46, 4.480, 131.298



59, 1.736, 131.512



45, 2.662, 81.447



30, 0.980, 131.525



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



46, 4.480, 131.298



58, 6.981, 131.217



46, 4.857, 145.970



23, 4.028, 131.182



44, 63.419, 129.616



87, 109.336, 130.496

Inverse Universe

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



44, 4.520, 311.760



56, 7.053, 311.840



45, 4.869, 326.587



22, 4.072, 311.874



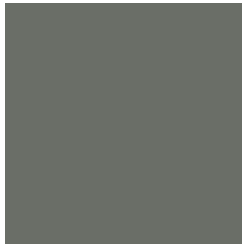
18, 70.075, 314.065



42, 120.277, 313.445

Previews

White Background



This preview shows how the CIELCh color 46, 4.479, 131.293 looks on a white background.

Color Contrast Check

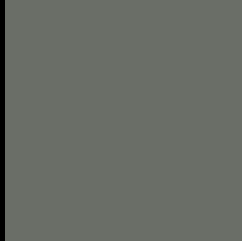
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.479, 131.293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

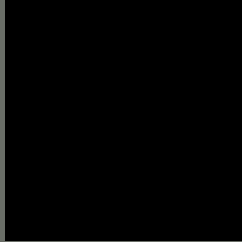
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

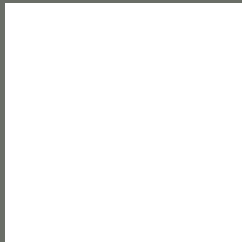
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 4.479, 131.293

Background



This preview shows how black text looks on a background with the CIELCh color 46, 4.479, 131.293.



This preview shows how white text looks on a background with the CIELCh color 46, 4.479, 131.293.

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, 4.479, 131.293

Protanopia

46, 3.921, 84.304

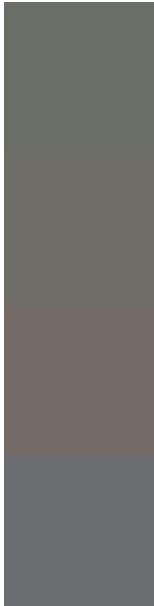
Deuteranopia

46, 6.785, 25.163



Tritanopia
46, 5.356, 290.926

Trichromacy



Original Color

46, 4.479, 131.293

Protanomaly

46, 4.160, 103.815

Deuteranomaly

46, 4.167, 44.918

Tritanomaly

46, 1.947, 266.057

Monochromacy



Original Color

46, 4.479, 131.293

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 1.965, 134.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 4.479, 131.293 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(106, 110, 103)` looks like.

```
.text, #text, p{  
    color:rgb(106, 110, 103)  
}
```

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(106, 110, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 110, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 4.479, 131.293 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(106, 110, 103) }
```

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

```
.border{ border-color:rgb(106, 110, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 110, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 110, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 110, 103);  
box-shadow:4px 4px 4px 4px rgb(106, 110,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 4.479, 131.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 110, 103) }
```

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

```
.background{ background-color: rgb(106,  
110, 103) }
```

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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