

Converting Colors

CIELCh(46, 3.168, 152.742)

Have a look what the booklet for
CIELCh(46, 3.168, 152.742) contains.

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Color

CIELCh(46, 3.150, 150.322)

Conversions

Conversions Part 1

Format	Color
Hex	696E6A
RGB	105, 110, 106
RGB Percent	41%, 43%, 42%
CMY	0.5873, 0.5677, 0.5834
CMYK	0.05, 0.00, 0.04, 0.57
HSL	132°, 2%, 42%
HSV	132°, 5%, 43%
XYZ	14.0711, 15.2687, 15.9079
YIQ	108.0490, -1.6960, -2.3040

Conversions

Conversions Part 2

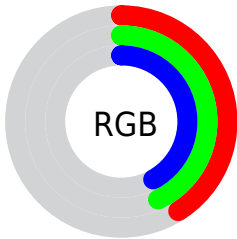
Format	Color
R_{YB}	105, 109, 110
Decimal	6909546
CIE Lab	46.00, -2.74, 1.56
CIE LCh	46, 3.150, 150.322
Yxy	15.2687, 0.3110, 0.3374
Android (android.graphics.Color)	4285099626 (0xFF696E6A)
YUV	108.0490, -1.0102, -2.6740
Hunter-Lab	39.0751, -4.1030, 3.2151

Details

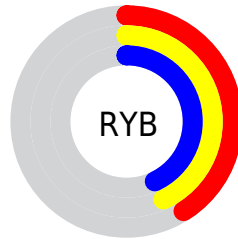
The CIELCh color $46, 3.150, 150.322$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 3.164, 330.727$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 3.607, 149.241$, and $26, 3.474, 150.126$ is the 20% darker color. If you saturate the color by 10%, you get $45, 10.162, 149.621$, and if you desaturate by 10%, it is $47, 3.773, 330.774$.

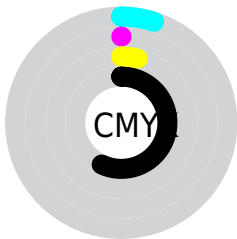
Distribution



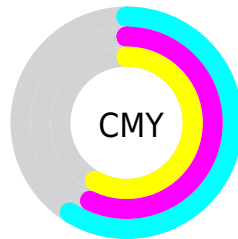
- Red (41%)
- Green (43%)
- Blue (42%)



- Red (41%)
- Yellow (43%)
- Blue (43%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (57%)



- Cyan (59%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 3.150, 150.322 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, 3.150, 150.322 by changing the saturation by 10% instead.

■ 46, 3.150, 150.322

■ 46, 3.150, 150.322

■ 100, 3.150,
150.322

■ 36, 3.150, 150.322

■ 66, 3.150, 150.322

■ 26, 3.150, 150.322

■ 76, 3.150, 150.322

■ 16, 3.150, 150.322

■ 86, 3.150, 150.322

■ 6, 3.150, 150.322

■ 96, 3.150, 150.322

■ 0, 3.150, 150.322

■ 46, 3.150, 150.322

■ 46, 3.150, 150.322

■ 45, 10.162,
149.621

■ 47, 3.773, 330.774

■ 44, 17.191,

■ 49, 10.564,
331.308

148.859

50, 17.187,
331.754

43, 24.153,
147.987

51, 23.622,
332.146

42, 30.939,
146.987

53, 29.859,
332.494

42, 37.425,
145.845

54, 35.893,
332.805

41, 43.473,
144.557

56, 41.728,
333.085

41, 48.942,
143.133

58, 47.367,
333.338

40, 53.697,
141.606

60, 52.819,
333.568

40, 57.647,
140.071

Harmonies

Complementary

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



46, 3.150, 150.322



45, 3.164, 330.727

Rectangle

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



46, 3.150, 150.322



46, 3.150, 200.322



46, 3.150, 330.322



46, 3.150, 20.322

Sweetspot

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



46, 3.151, 150.320



59, 0.851, 150.748



46, 2.984, 117.056



30, 0.480, 150.779



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, 3.151, 150.320



59, 4.295, 150.276



46, 2.247, 174.562



23, 2.379, 150.256



43, 63.455, 139.226



85, 110.872, 138.264

Inverse Universe

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



45, 3.164, 330.727



57, 4.311, 330.769



45, 2.278, 355.076



22, 2.388, 330.788



26, 56.938, 337.706



56, 96.451, 338.373

Previews

White Background



This preview shows how the CIELCh color 46, 3.150, 150.322 looks on a white background.

Color Contrast Check

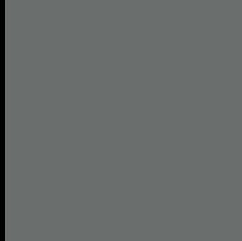
Large Text (above 18pt) WCAG AA ✓ Pass

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, 3.150, 150.322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

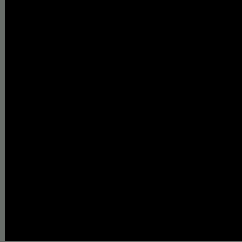
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

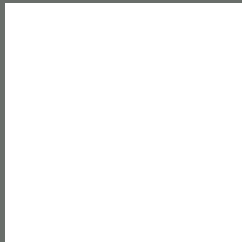
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 3.150, 150.322

Background



This preview shows how black text looks on a background with the CIELCh color 46, 3.150, 150.322.



This preview shows how white text looks on a background with the CIELCh color 46, 3.150, 150.322.

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, 3.150, 150.322

Protanopia

46, 2.422, 66.554

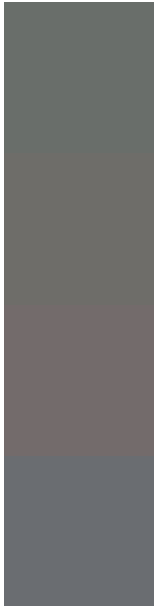
Deuteranopia

46, 6.378, 9.479



Tritanopia
46, 4.806, 281.386

Trichromacy



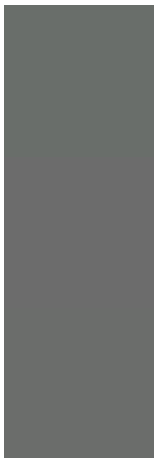
Original Color
46, 3.150, 150.322

Protanomaly
46, 2.397, 99.879

Deuteranomaly
46, 3.319, 19.703

Tritanomaly
46, 2.647, 263.577

Monochromacy



Original Color
46, 3.150, 150.322

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 1.446, 144.461

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 3.150, 150.322 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(105, 110, 106)` looks like.

```
.text, #text, p{  
    color:rgb(105, 110, 106)  
}
```

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(105, 110, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 110, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 3.150, 150.322 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(105, 110, 106) }
```

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

```
.border{ border-color:rgb(105, 110, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 110, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 110, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 110, 106);  
box-shadow:4px 4px 4px 4px rgb(105, 110,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 3.150, 150.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 110, 106) }
```

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

```
.background{ background-color: rgb(105,  
110, 106) }
```

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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