

Converting Colors

CIELCh(46, 12.655, 357.350)

Have a look what the booklet for
CIELCh(46, 12.655, 357.350)
contains.

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Color

CIELCh(46, 12.200, 358.257)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 81666E |
| RGB | 129, 102, 110 |
| RGB Percent | 51%, 40%, 43% |
| CMY | 0.4945, 0.6003, 0.5690 |
| CMYK | 0.00, 0.21, 0.15, 0.49 |
| HSL | 342°, 12%, 45% |
| HSV | 342°, 21%, 51% |
| XYZ | 16.5911, 15.2687, 16.7987 |
| YIQ | 110.9850, 13.5240, 8.2120 |

Conversions

Conversions Part 2

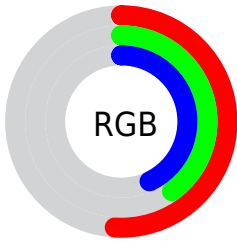
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 129, 102, 110 |
| Decimal | 8480366 |
| CIE _{Lab} | 46.00, 12.19, -0.37 |
| CIE _{LCh} | 46, 12.200, 358.257 |
| Yxy | 15.2687, 0.3410, 0.3138 |
| Android (android.graphics.Color) | 4286670446 (0xFF81666E) |
| YUV | 110.9850, -0.4856, 15.7992 |
| Hunter-Lab | 39.0751, 7.4085, 1.8633 |

Details

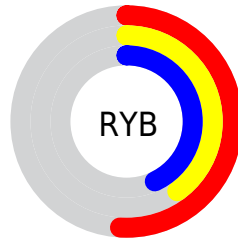
The CIELCh color $46, 12.200, 358.257$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $52, 11.499, 174.327$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 12.283, 356.774$, and $26, 12.150, 356.618$ is the 20% darker color. If you saturate the color by 10%, you get $42, 18.307, 359.506$, and if you desaturate by 10%, it is $50, 6.255, 357.173$.

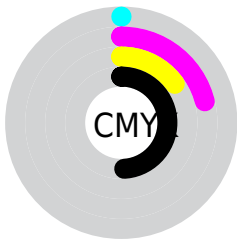
Distribution



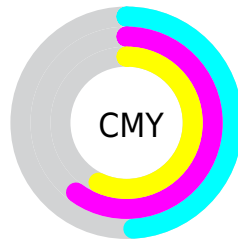
- Red (51%)
- Green (40%)
- Blue (43%)



- Red (51%)
- Yellow (40%)
- Blue (43%)



- Cyan (0%)
- Magenta (21%)
- Yellow (15%)
- Black (49%)





- Cyan (49%)
- Magenta (60%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 12.200, 358.257 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, 12.200, 358.257 by changing the saturation by 10% instead.


 46, 12.200,
358.257


 46, 12.200,
358.257


 100, 12.200,
358.257


 36, 12.200,
358.257

 66, 12.200,
358.257


 26, 12.200,
358.257

 76, 12.200,
358.257

 16, 12.200,
358.257


 86, 12.200,
358.257

 6, 12.200, 358.257

 96, 12.200,
358.257

 0, 12.200, 358.257

 46, 12.200,

 46, 12.200,

358.257

358.257

42, 18.307,
359.506

50, 6.255, 357.173

39, 24.482, 0.976

54, 0.530, 355.649

36, 30.571, 2.752

57, 4.954, 175.556

33, 36.359, 4.939

61, 10.192,
174.788

30, 41.592, 7.673

65, 15.192,
174.117

28, 46.033, 11.109

69, 19.968,
173.512

27, 49.564, 15.374

26, 52.458, 19.548

73, 24.539,
172.960

77, 28.921,
172.453

81, 33.132,

Harmonies

Complementary

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



46, 12.200, 358.257



52, 11.499, 174.327

Rectangle

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



46, 12.200, 358.257



46, 12.200, 48.257



46, 12.200, 178.257



46, 12.200, 228.257

Sweetspot

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



46, 12.198, 358.261



66, 4.226, 356.670



46, 17.731, 316.583



34, 2.793, 356.726



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 12.198, 358.261



57, 18.251, 358.816



47, 9.827, 39.164



25, 3.182, 356.981



26, 52.028, 19.480



0, 0.000, 0.000

Inverse Universe

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



46, 12.198, 358.261



57, 18.251, 358.816



50, 8.605, 220.258



25, 3.182, 356.981



26, 52.028, 19.480



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 46, 12.200, 358.257 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, 12.200, 358.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

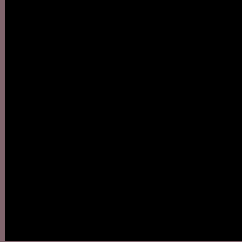
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 12.200, 358.257

Background



This preview shows how black text looks on a background with the CIELCh color 46, 12.200, 358.257.



This preview shows how white text looks on a background with the CIELCh color 46, 12.200, 358.257.

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, 12.200, 358.257

Protanopia

46, 3.006, 298.276

Deuteranopia

46, 6.081, 3.175



Tritanopia
46, 12.200, 358.257

Trichromacy



Original Color
46, 12.200, 358.257

Protanomaly
46, 6.143, 337.589

Deuteranomaly
46, 7.863, 2.899

Tritanomaly
46, 12.200, 358.257

Monochromacy



Original Color
46, 12.200, 358.257

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.492, 356.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 12.200, 358.257 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(129, 102, 110)` looks like.

```
.text, #text, p{  
    color:rgb(129, 102, 110)  
}
```

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(129, 102, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 102, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 12.200, 358.257 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(129, 102, 110) }
```

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

```
.border{ border-color:rgb(129, 102, 110) }
```

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

Here you see how a box with a 4 pixel rgb(129, 102, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 102, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 102, 110);  
box-shadow:4px 4px 4px 4px rgb(129, 102,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 12.200, 358.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 102, 110) }
```

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

```
.background{ background-color: rgb(129,  
102, 110) }
```

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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