

Converting Colors

CIELCh(45, 13.785, 357.866)

Have a look what the booklet for
CIELCh(45, 13.785, 357.866)
contains.

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Color

CIELCh(45, 14.242, 356.796)

Conversions

Conversions Part 1

Format	Color
Hex	81626C
RGB	129, 98, 108
RGB Percent	51%, 38%, 42%
CMY	0.4933, 0.6149, 0.5757
CMYK	0.00, 0.24, 0.16, 0.49
HSL	341°, 14%, 45%
HSV	341°, 24%, 51%
XYZ	16.1874, 14.5417, 16.1957
YIQ	108.4090, 15.2660, 9.6820

Conversions

Conversions Part 2

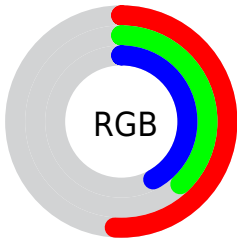
Format	Color
R_{YB}	129, 98, 108
Decimal	8479340
CIE _{Lab}	45.00, 14.22, -0.80
CIE _{LCh}	45, 14.242, 356.796
Yxy	14.5417, 0.3450, 0.3099
Android (android.graphics.Color)	4286669420 (0xFF81626C)
YUV	108.4090, -0.2016, 18.0583
Hunter-Lab	38.1336, 9.0379, 1.5125

Details

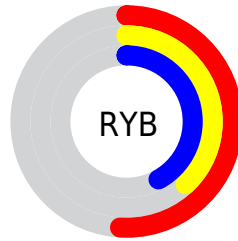
The CIELCh color $45, 14.242, 356.796$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $51, 13.386, 172.215$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 13.986, 357.530$, and $25, 14.395, 355.618$ is the 20% darker color. If you saturate the color by 10%, you get $41, 20.431, 358.082$, and if you desaturate by 10%, it is $49, 8.171, 355.687$.

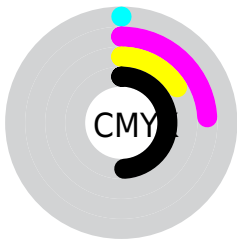
Distribution



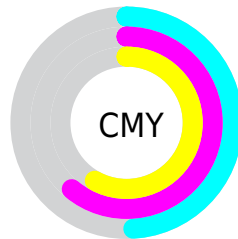
- Red (51%)
- Green (38%)
- Blue (42%)



- Red (51%)
- Yellow (38%)
- Blue (42%)



- Cyan (0%)
- Magenta (24%)
- Yellow (16%)
- Black (49%)



- Cyan (49%)
- Magenta (61%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 14.242, 356.796 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 45, 14.242, 356.796 by changing the saturation by 10% instead.


 45, 14.242,
356.796


 45, 14.242,
356.796


 100, 14.242,
356.796


 35, 14.242,
356.796

 65, 14.242,
356.796


 25, 14.242,
356.796

 75, 14.242,
356.796

 15, 14.242,
356.796


 85, 14.242,
356.796

 5, 14.242, 356.796

 95, 14.242,
356.796

 0, 14.242, 356.796

 45, 14.242,

 45, 14.242,

356.796

356.796

41, 20.431,
358.082

49, 8.171, 355.687

38, 26.623,
359.600

53, 2.292, 354.625

56, 3.360, 174.030

35, 32.636, 1.437

60, 8.773, 173.211

32, 38.233, 3.704

64, 13.951,
172.514

30, 43.147, 6.544

68, 18.904,
171.886

28, 47.155, 10.112

27, 50.212, 14.511

72, 23.648,
171.313

26, 52.020, 17.190

76, 28.199,
170.788

80, 32.575,
170.303

Harmonies

Complementary

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



45, 14.242, 356.796



51, 13.386, 172.215

Rectangle

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



45, 14.242, 356.796



45, 14.242, 46.796



45, 14.242, 176.796



45, 14.242, 226.796

Sweetspot

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



45, 14.240, 356.799



66, 5.008, 354.980



45, 20.256, 315.649



34, 3.241, 355.026



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 14.240, 356.799



56, 21.525, 357.503



46, 11.668, 35.758



25, 3.225, 355.179



26, 51.508, 17.109



0, 0.000, 0.000

Inverse Universe

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



45, 14.240, 356.799



56, 21.525, 357.503



50, 9.967, 216.225



25, 3.225, 355.179



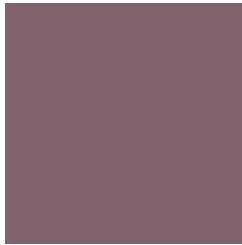
26, 51.508, 17.109



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 14.242, 356.796 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 45, 14.242, 356.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

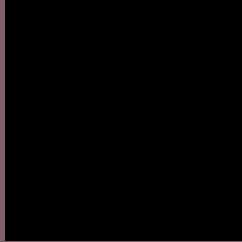
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 14.242, 356.796

Background



This preview shows how black text looks on a background with the CIELCh color 45, 14.242, 356.796.



This preview shows how white text looks on a background with the CIELCh color 45, 14.242, 356.796.

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

45, 14.242, 356.796

Protanopia

45, 4.205, 296.235

Deuteranopia

45, 6.298, 358.007



Tritanopia
45, 13.295, 3.070

Trichromacy



Original Color
45, 14.242, 356.796

Protanomaly
45, 6.874, 336.332

Deuteranomaly
45, 9.083, 357.494

Tritanomaly
45, 13.450, 0.639

Monochromacy



Original Color
45, 14.242, 356.796

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.139, 352.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 14.242, 356.796 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, 98, 108)` looks like.

```
.text, #text, p{  
    color:rgb(129, 98, 108)  
}
```

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, 98, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 98, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 14.242, 356.796 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, 98, 108) }
```

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

```
.border{ border-color:rgb(129, 98, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 98, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 98, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 98, 108); box-shadow:4px 4px 4px 4px rgb(129, 98, 108) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 14.242, 356.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 98, 108) }
```

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

```
.background{ background-color: rgb(129, 98,  
108) }
```

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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