

Converting Colors

CIELCh(48, 45.767, 326.020)

Have a look what the booklet for
CIELCh(48, 45.767, 326.020)
contains.

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Color

CIELCh(48, 45.732, 325.810)

Conversions

Conversions Part 1

Format	Color
Hex	9C5A9E
RGB	156, 90, 158
RGB Percent	61%, 35%, 62%
CMY	0.3890, 0.6477, 0.3811
CMYK	0.01, 0.43, 0.00, 0.38
HSL	298°, 27%, 49%
HSV	298°, 43%, 62%
XYZ	23.4711, 16.7945, 34.2691
YIQ	117.4860, 17.5080, 35.1400

Conversions

Conversions Part 2

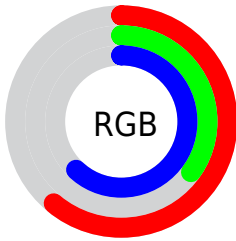
Format	Color
R _{YB}	156, 90, 158
Decimal	10246814
CIE _{Lab}	48.00, 37.83, -25.70
CIE _{LCh}	48, 45.732, 325.810
Y _{xy}	16.7945, 0.3149, 0.2253
Android (android.graphics.Color)	4288436894 (0xFF9C5A9E)
YUV	117.4860, 19.9734, 33.7768
Hunter-Lab	40.9810, 30.5155, -20.8927

Details

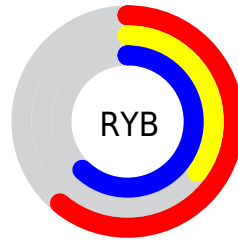
The CIELCh color $48, 45.732, 325.810$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $59, 45.741, 140.552$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 45.736, 325.832$, and $28, 45.307, 325.933$ is the 20% darker color. If you saturate the color by 10%, you get $45, 55.334, 326.232$, and if you desaturate by 10%, it is $52, 35.437, 325.340$.

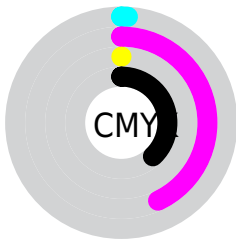
Distribution



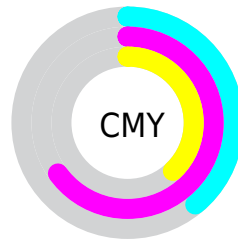
- Red (61%)
- Green (35%)
- Blue (62%)



- Red (61%)
- Yellow (35%)
- Blue (62%)



- Cyan (1%)
- Magenta (43%)
- Yellow (0%)
- Black (38%)




- Cyan (39%)
- Magenta (65%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 45.732, 325.810 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 48, 45.732, 325.810 by changing the saturation by 10% instead.


 48, 45.732,
325.810


 48, 45.732,
325.810


 100, 45.732,
325.810


 38, 45.732,
325.810

 68, 45.732,
325.810


 28, 45.732,
325.810

 78, 45.732,
325.810

 18, 45.732,
325.810

 88, 45.732,
325.810

 8, 45.732, 325.810

 98, 45.732,
325.810

 0, 45.732, 325.810

 48, 45.732,

 48, 45.732,

325.810

45, 55.334,
326.232

42, 63.860,
326.586

40, 70.903,
326.853

38, 76.121,
327.021

37, 79.351,
327.082

36, 80.851,
327.086

325.810

52, 35.437,
325.340

55, 24.778,
324.837

60, 14.000,
324.316

64, 3.278, 323.751

68, 7.272, 143.335

72, 17.578,
142.825

77, 27.600,
142.347

81, 37.321,
141.896

■ 86, 46.735,
141.472

Harmonies

Complementary

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



48, 45.732, 325.810



59, 45.741, 140.552

Rectangle

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



48, 45.732, 325.810



48, 45.732, 15.810



48, 45.732, 145.810



48, 45.732, 195.810

Sweetspot

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



48, 45.730, 325.810



75, 17.153, 324.325



42, 39.719, 294.714



38, 11.986, 324.434



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



48, 45.730, 325.810



58, 66.830, 326.228



47, 33.873, 345.974



31, 6.049, 324.112



33, 75.147, 327.096



1, 7.852, 323.463

Inverse Universe

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



46, 30.209, 21.502



55, 46.132, 23.435



60, 32.533, 157.745



31, 3.534, 17.512



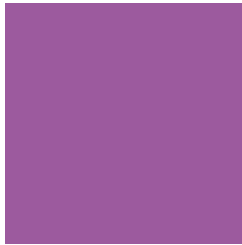
29, 66.085, 37.986



1, 4.479, 17.079

Previews

White Background



This preview shows how the CIE LCh color 48, 45.732, 325.810 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 48, 45.732, 325.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

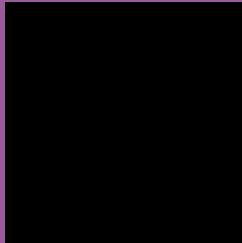
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 45.732, 325.810

Background



This preview shows how black text looks on a background with the CIELCh color 48, 45.732, 325.810.

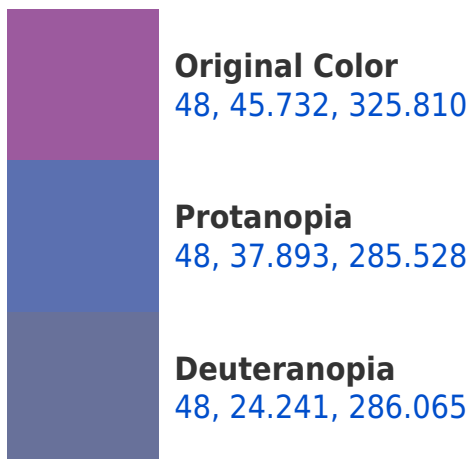


This preview shows how white text looks on a background with the CIELCh color 48, 45.732, 325.810.

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





Tritanopia
48, 20.770, 10.915

Trichromacy



Original Color
48, 45.732, 325.810

Protanomaly
48, 38.676, 300.351

Deuteranomaly
48, 30.330, 305.967

Tritanomaly
48, 27.278, 344.907

Monochromacy



Original Color
48, 45.732, 325.810

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 17.502, 324.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 45.732, 325.810 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(156, 90, 158)` looks like.

```
.text, #text, p{  
    color:rgb(156, 90, 158)  
}
```

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(156, 90, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 90, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 45.732, 325.810 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(156, 90, 158) }
```

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

```
.border{ border-color:rgb(156, 90, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 90, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 90, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 90, 158);  
box-shadow:4px 4px 4px 4px rgb(156, 90,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 45.732, 325.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 90, 158) }
```

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

```
.background{ background-color: rgb(156, 90,  
158) }
```

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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