

Converting Colors

CIELCh(48, 44.742, 321.094)

Have a look what the booklet for
CIELCh(48, 44.742, 321.094)
contains.

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Color

CIELCh(48, 44.750, 320.986)

Conversions

Conversions Part 1

Format	Color
Hex	955DA2
RGB	149, 93, 162
RGB Percent	58%, 36%, 64%
CMY	0.4161, 0.6357, 0.3651
CMYK	0.08, 0.43, 0.00, 0.37
HSL	289°, 27%, 50%
HSV	289°, 43%, 63%
XYZ	22.7913, 16.7945, 36.1713
YIQ	117.6100, 11.2270, 33.3310

Conversions

Conversions Part 2

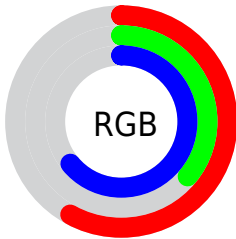
Format	Color
R_{YB}	149, 93, 162
Decimal	9788834
CIE _{Lab}	48.00, 34.77, -28.17
CIE _{LCh}	48, 44.750, 320.986
Yxy	16.7945, 0.3008, 0.2217
Android (android.graphics.Color)	4287978914 (0xFF955DA2)
YUV	117.6100, 21.8843, 27.5290
Hunter-Lab	40.9810, 27.5546, -23.6447

Details

The CIELCh color $48, 44.750, 320.986$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $61, 44.029, 136.760$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 44.421, 320.874$, and $28, 44.994, 321.220$ is the 20% darker color. If you saturate the color by 10%, you get $44, 54.690, 321.336$, and if you desaturate by 10%, it is $52, 34.341, 320.580$.

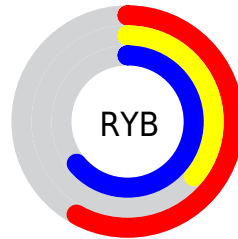
Distribution



Red (58%)

Green (36%)

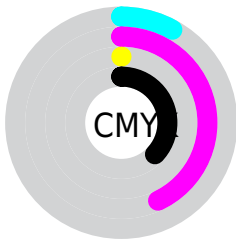
Blue (64%)



Red (58%)

Yellow (36%)

Blue (64%)

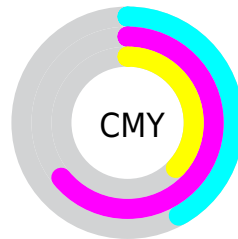


Cyan (8%)

Magenta (43%)

Yellow (0%)

Black (37%)



Cyan (42%)

Magenta (64%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 44.750, 320.986 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, 44.750, 320.986 by changing the saturation by 10% instead.

 48, 44.750,
320.986

 48, 44.750,
320.986

 100, 44.750,
320.986

 38, 44.750,
320.986

 68, 44.750,
320.986

 28, 44.750,
320.986

 78, 44.750,
320.986

 18, 44.750,
320.986

 88, 44.750,
320.986

 8, 44.750, 320.986

 98, 44.750,
320.986

 0, 44.750, 320.986

 48, 44.750,

 48, 44.750,

320.986

■ 44, 54.690,
321.336

■ 41, 63.792,
321.597

■ 38, 71.606,
321.729

■ 35, 77.674,
321.691

■ 34, 81.664,
321.447

■ 33, 83.677,
321.179

320.986

■ 52, 34.341,
320.580

■ 56, 23.747,
320.144

■ 61, 13.160,
319.695

■ 65, 2.708, 319.204

■ 70, 7.531, 138.871

■ 75, 17.515,
138.455

■ 79, 27.222,
138.074

■ 84, 36.645,
137.722

■ 89, 45.788,
137.397

Harmonies

Complementary

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



48, 44.750, 320.986



61, 44.029, 136.760

Rectangle

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



48, 44.750, 320.986



48, 44.750, 10.986



48, 44.750, 140.986



48, 44.750, 190.986

Sweetspot

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



48, 44.748, 320.986



77, 16.877, 319.723



46, 32.880, 286.937



40, 11.923, 319.819



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



48, 44.748, 320.986



58, 65.998, 321.316



49, 38.005, 337.445



32, 5.924, 319.542



29, 77.303, 321.238



1, 9.029, 317.758

Inverse Universe

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



48, 30.140, 9.414



57, 45.343, 11.318



61, 37.594, 150.577



32, 3.738, 4.910



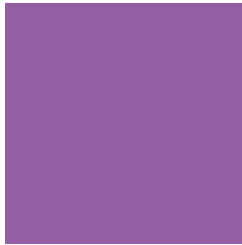
30, 60.986, 29.177



1, 5.647, 5.509

Previews

White Background



This preview shows how the CIELCh color 48, 44.750, 320.986 looks on a white background.

Color Contrast Check

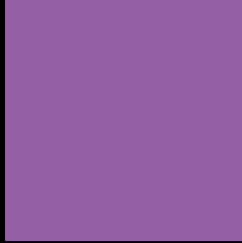
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.750, 320.986 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, 44.750, 320.986

Background



This preview shows how black text looks on a background with the CIELCh color 48, 44.750, 320.986.



This preview shows how white text looks on a background with the CIELCh color 48, 44.750, 320.986.

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
48, 44.750, 320.986

Protanopia
48, 39.063, 285.630

Deuteranopia
48, 26.694, 284.353



Tritanopia
48, 16.569, 5.237

Trichromacy



Original Color
48, 44.750, 320.986

Protanomaly
48, 39.682, 297.956

Deuteranomaly
48, 31.682, 301.628

Tritanomaly
48, 24.924, 337.942

Monochromacy



Original Color
48, 44.750, 320.986

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 16.693, 319.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 44.750, 320.986 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(149, 93, 162)` looks like.

```
.text, #text, p{  
    color:rgb(149, 93, 162)  
}
```

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(149, 93, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 93, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 44.750, 320.986 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(149, 93, 162) }
```

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

```
.border{ border-color:rgb(149, 93, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 93, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 93, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 93, 162);  
box-shadow:4px 4px 4px 4px rgb(149, 93,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 44.750, 320.986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 93, 162) }
```

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

```
.background{ background-color: rgb(149, 93,  
162) }
```

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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