

Converting Colors

CIELCh(48, 57.865, 324.053)

Have a look what the booklet for
CIELCh(48, 57.865, 324.053)
contains.

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Color

CIELCh(48, 57.896, 324.063)

Conversions

Conversions Part 1

Format	Color
Hex	A352AC
RGB	163, 82, 172
RGB Percent	64%, 32%, 67%
CMY	0.3609, 0.6785, 0.3256
CMYK	0.05, 0.52, 0.00, 0.33
HSL	294°, 35%, 50%
HSV	294°, 52%, 67%
XYZ	25.5611, 16.7945, 40.9151
YIQ	116.4790, 19.3860, 45.1620

Conversions

Conversions Part 2

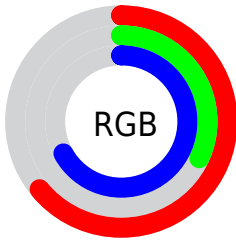
Format	Color
R_{YB}	163, 82, 172
Decimal	10703532
CIE _{Lab}	48.00, 46.88, -33.98
CIE _{LCh}	48, 57.896, 324.063
Yxy	16.7945, 0.3070, 0.2017
Android (android.graphics.Color)	4288893612 (0xFFA352AC)
YUV	116.4790, 27.3719, 40.7989
Hunter-Lab	40.9810, 39.6191, -30.5078

Details

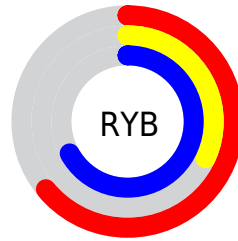
The CIELCh color $48, 57.896, 324.063$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $64, 57.609, 138.138$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 57.797, 324.069$, and $28, 57.855, 324.211$ is the 20% darker color. If you saturate the color by 10%, you get $45, 67.243, 324.365$, and if you desaturate by 10%, it is $52, 47.513, 323.681$.

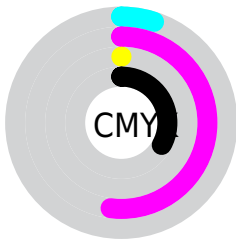
Distribution



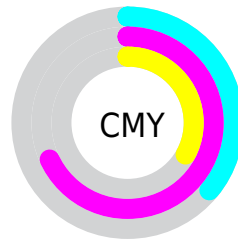
- Red (64%)
- Green (32%)
- Blue (67%)



- Red (64%)
- Yellow (32%)
- Blue (67%)



- Cyan (5%)
- Magenta (52%)
- Yellow (0%)
- Black (33%)




- Cyan (36%)
- Magenta (68%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 57.896, 324.063 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, 57.896, 324.063 by changing the saturation by 10% instead.


 48, 57.896,
324.063


 48, 57.896,
324.063


 100, 57.896,
324.063


 38, 57.896,
324.063

 68, 57.896,
324.063

 28, 57.896,
324.063

 78, 57.896,
324.063

 18, 57.896,
324.063

 88, 57.896,
324.063

 8, 57.896, 324.063

 98, 57.896,
324.063

 0, 57.896, 324.063

 48, 57.896,

 48, 57.896,

324.063

45, 67.243,
324.365

42, 75.099,
324.560

40, 81.037,
324.619

38, 84.800,
324.524

38, 86.600,
324.375

324.063

52, 47.513,
323.681

56, 36.510,
323.244

60, 25.212,
322.775

65, 13.855,
322.289

69, 2.601, 321.745

74, 8.446, 141.383

79, 19.225,
140.919

84, 29.704,
140.488

■ 88, 39.871,
140.085

Harmonies

Complementary

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



48, 57.896, 324.063



64, 57.609, 138.138

Rectangle

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



48, 57.896, 324.063



48, 57.896, 14.063



48, 57.896, 144.063



48, 57.896, 194.063

Sweetspot

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



48, 57.894, 324.063



80, 22.376, 322.483



42, 47.874, 293.232



41, 15.102, 322.579



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



48, 57.894, 324.063



57, 83.894, 324.409



48, 45.738, 342.523



34, 6.392, 322.139



33, 78.474, 324.416



2, 13.250, 320.498

Inverse Universe

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



46, 39.660, 18.168



55, 60.083, 21.303



64, 44.766, 152.683



34, 3.844, 11.839



31, 66.318, 35.086



2, 7.869, 12.651

Previews

White Background



This preview shows how the CIELCh color 48, 57.896, 324.063 looks on a white background.

Color Contrast Check

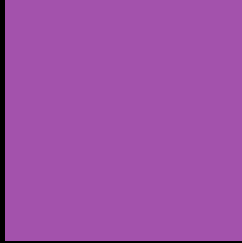
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 57.896, 324.063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

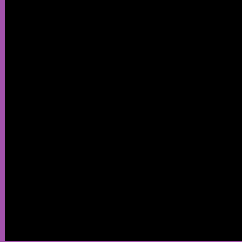
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 57.896, 324.063

Background



This preview shows how black text looks on a background with the CIELCh color 48, 57.896, 324.063.

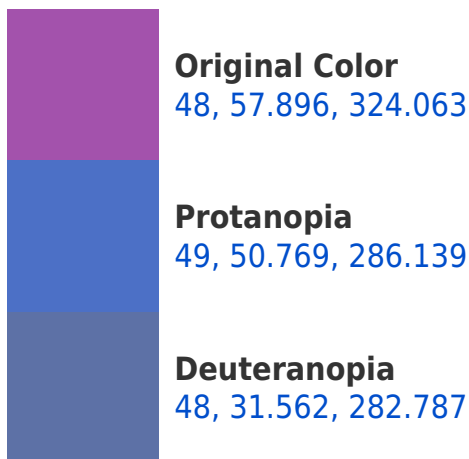


This preview shows how white text looks on a background with the CIELCh color 48, 57.896, 324.063.

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, 23.834, 12.875

Trichromacy



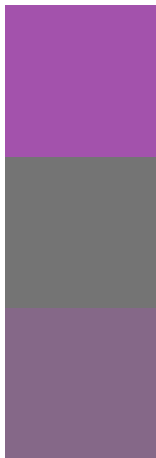
Original Color
48, 57.896, 324.063

Protanomaly
47, 52.020, 298.866

Deuteranomaly
47, 39.514, 302.743

Tritanomaly
48, 32.843, 343.235

Monochromacy



Original Color
48, 57.896, 324.063

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 21.974, 322.993

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 57.896, 324.063 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(163, 82, 172)` looks like.

```
.text, #text, p{  
    color:rgb(163, 82, 172)  
}
```

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(163, 82, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 82, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 57.896, 324.063 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(163, 82, 172) }
```

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

```
.border{ border-color:rgb(163, 82, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 82, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 82, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 82, 172);  
box-shadow:4px 4px 4px 4px rgb(163, 82,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 57.896, 324.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 82, 172) }
```

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

```
.background{ background-color: rgb(163, 82,  
172) }
```

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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