

Converting Colors

CIELCh(48, 51.037, 320.412)

Have a look what the booklet for
CIELCh(48, 51.037, 320.412)
contains.

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Color

CIELCh(48, 51.081, 320.421)

Conversions

Conversions Part 1

Format	Color
Hex	9859A9
RGB	152, 89, 169
RGB Percent	60%, 35%, 66%
CMY	0.4024, 0.6496, 0.3358
CMYK	0.10, 0.47, 0.00, 0.34
HSL	287°, 32%, 51%
HSV	287°, 47%, 66%
XYZ	23.8189, 16.7945, 39.7083
YIQ	116.9570, 11.8680, 38.2360

Conversions

Conversions Part 2

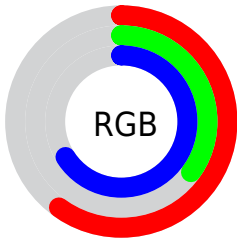
Format	Color
R _{YB}	152, 89, 169
Decimal	9984425
CIE _{Lab}	48.00, 39.37, -32.55
CIE _{LCh}	48, 51.081, 320.421
Y _{xy}	16.7945, 0.2965, 0.2091
Android (android.graphics.Color)	4288174505 (0xFF9859A9)
YUV	116.9570, 25.6572, 30.7327
Hunter-Lab	40.9810, 32.0305, -28.7620

Details

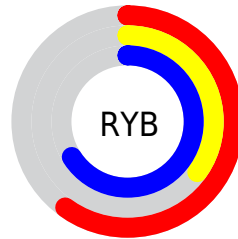
The CIELCh color `48, 51.081, 320.421` is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be `64, 50.043, 135.809`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `68, 51.200, 320.382`, and `28, 51.129, 320.620` is the 20% darker color. If you saturate the color by 10%, you get `44, 61.069, 320.730`, and if you desaturate by 10%, it is `52, 40.468, 320.040`.

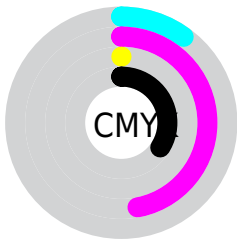
Distribution



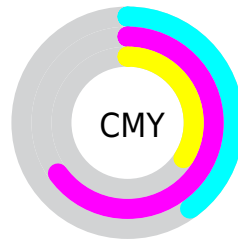
- Red (60%)
- Green (35%)
- Blue (66%)



- Red (60%)
- Yellow (35%)
- Blue (66%)



- Cyan (10%)
- Magenta (47%)
- Yellow (0%)
- Black (34%)





- Cyan (40%)
- Magenta (65%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 51.081, 320.421 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, 51.081, 320.421 by changing the saturation by 10% instead.


 48, 51.081,
320.421


 48, 51.081,
320.421


 100, 51.081,
320.421


 38, 51.081,
320.421

 68, 51.081,
320.421


 28, 51.081,
320.421

 78, 51.081,
320.421

 18, 51.081,
320.421

 88, 51.081,
320.421

 8, 51.081, 320.421

 98, 51.081,
320.421

 0, 51.081, 320.421

 48, 51.081,

 48, 51.081,

320.421

44, 61.069,
320.730

41, 70.007,
320.929

38, 77.397,
320.971

36, 82.784,
320.811

34, 86.045,
320.432

34, 86.823,
320.319

320.421

52, 40.468,
320.040

57, 29.567,
319.618

61, 18.611,
319.177

66, 7.754, 318.727

71, 2.906, 138.388

76, 13.314,
137.935

80, 23.441,
137.550

85, 33.276,
137.194

■ 90, 42.820,
136.868

Harmonies

Complementary

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



48, 51.081, 320.421



64, 50.043, 135.809

Rectangle

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



48, 51.081, 320.421



48, 51.081, 10.421



48, 51.081, 140.421



48, 51.081, 190.421

Sweetspot

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



48, 51.079, 320.421



79, 18.600, 319.043



46, 37.312, 287.040



41, 12.842, 319.136



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



48, 51.079, 320.421



57, 74.921, 320.750



49, 43.898, 337.110



33, 6.036, 318.820



29, 78.561, 320.400



1, 10.735, 316.489

Inverse Universe

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



48, 34.942, 8.522



57, 52.254, 10.989



63, 43.572, 149.380



33, 3.868, 3.100



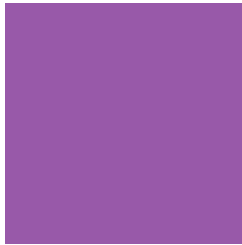
30, 60.890, 27.437



1, 6.823, 4.568

Previews

White Background



This preview shows how the CIELCh color 48, 51.081, 320.421 looks on a white background.

Color Contrast Check

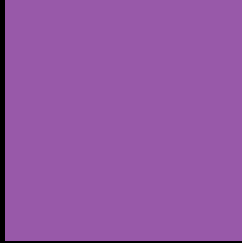
Large Text (above 18pt) WCAG AA ✓ Pass

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, 51.081, 320.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

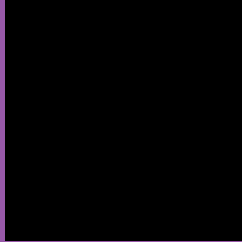
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 51.081, 320.421

Background



This preview shows how black text looks on a background with the CIELCh color 48, 51.081, 320.421.

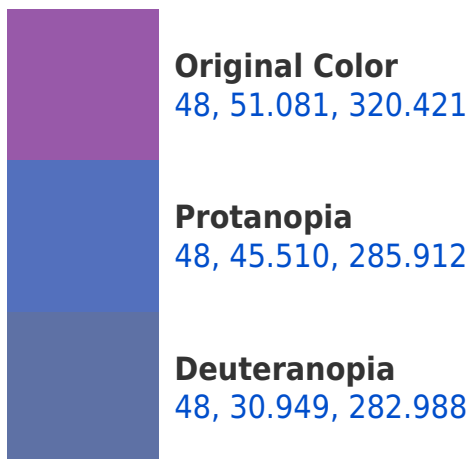


This preview shows how white text looks on a background with the CIELCh color 48, 51.081, 320.421.

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, 17.833, 6.627

Trichromacy



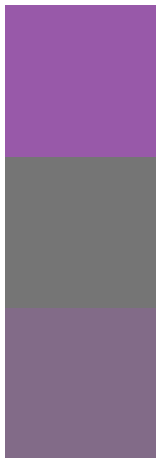
Original Color
48, 51.081, 320.421

Protanomaly
48, 46.072, 297.448

Deuteranomaly
47, 37.523, 300.431

Tritanomaly
48, 27.559, 336.920

Monochromacy



Original Color
48, 51.081, 320.421

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 19.310, 319.509

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 51.081, 320.421 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(152, 89, 169)` looks like.

```
.text, #text, p{  
    color:rgb(152, 89, 169)  
}
```

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(152, 89, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 89, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 51.081, 320.421 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(152, 89, 169) }
```

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

```
.border{ border-color:rgb(152, 89, 169) }
```

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

Here you see how a box with a 4 pixel rgb(152, 89, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 89, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 89, 169);  
box-shadow:4px 4px 4px 4px rgb(152, 89,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 51.081, 320.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 89, 169) }
```

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

```
.background{ background-color: rgb(152, 89,  
169) }
```

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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