

Converting Colors

CIELCh(49, 51.810, 326.366)

Have a look what the booklet for
CIELCh(49, 51.810, 326.366)
contains.

CIELCh(49, 51.697, 326.104)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 51.697, 326.104)

Conversions

Conversions Part 1

Format	Color
Hex	A458A6
RGB	164, 88, 166
RGB Percent	64%, 35%, 65%
CMY	0.3573, 0.6553, 0.3494
CMYK	0.01, 0.47, 0.00, 0.35
HSL	298°, 31%, 50%
HSV	298°, 47%, 65%
XYZ	25.6432, 17.5941, 38.0715
YIQ	119.6160, 20.2580, 40.3700

Conversions

Conversions Part 2

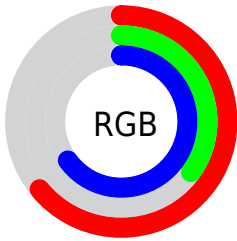
Format	Color
RYB	164, 88, 166
Decimal	10770598
CIELab	49.00, 42.91, -28.83
CIELCh	49, 51.697, 326.104
Yxy	17.5941, 0.3154, 0.2164
Android (android.graphics.Color)	4288960678 (0xFFA458A6)
YUV	119.6160, 22.8673, 38.9248
Hunter-Lab	41.9453, 35.7218, -24.4528

Details

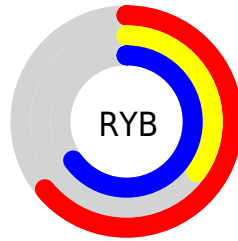
The CIELCh color $49, 51.697, 326.104$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $62, 51.782, 140.235$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 51.853, 326.411$, and $29, 51.806, 325.948$ is the 20% darker color. If you saturate the color by 10%, you get $46, 61.280, 326.505$, and if you desaturate by 10%, it is $53, 41.222, 325.647$.

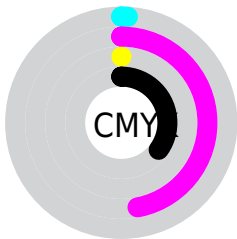
Distribution



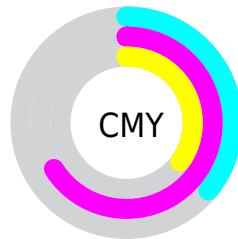
- Red (64%)
- Green (35%)
- Blue (65%)



- Red (64%)
- Yellow (35%)
- Blue (65%)



- Cyan (1%)
- Magenta (47%)
- Yellow (0%)
- Black (35%)





- Cyan (36%)
- Magenta (66%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 51.697, 326.104 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 49, 51.697, 326.104 by changing the saturation by 10% instead.


 49, 51.697,
326.104


 49, 51.697,
326.104


 100, 51.697,
326.104


 39, 51.697,
326.104

 69, 51.697,
326.104


 29, 51.697,
326.104

 79, 51.697,
326.104

 19, 51.697,
326.104

 89, 51.697,
326.104

 9, 51.697, 326.104

 99, 51.697,
326.104

 0, 51.697, 326.104

 49, 51.697,

 49, 51.697,

326.104

46, 61.280,
326.505

43, 69.555,
326.830

41, 76.111,
327.063

40, 80.657,
327.194

39, 83.230,
327.226

39, 83.863,
327.229

326.104

53, 41.222,
325.647

57, 30.233,
325.151

61, 19.021,
324.633

65, 7.800, 324.095

69, 3.284, 143.672

74, 14.137,
143.116

79, 24.707,
142.624

83, 34.966,
142.158

■ 88, 44.903,
141.719

Harmonies

Complementary

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



49, 51.697, 326.104



62, 51.782, 140.235

Rectangle

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



49, 51.697, 326.104



49, 51.697, 16.104



49, 51.697, 146.104



49, 51.697, 196.104

Sweetspot

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



49, 51.695, 326.104



79, 19.437, 324.487



42, 45.532, 295.502



41, 13.538, 324.598



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 51.695, 326.104



59, 74.817, 326.506



48, 38.345, 346.491



33, 6.378, 324.221



34, 77.081, 327.238



2, 11.538, 323.473

Inverse Universe

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



47, 34.772, 22.526



56, 52.749, 24.703



62, 36.758, 157.223



33, 3.723, 17.826



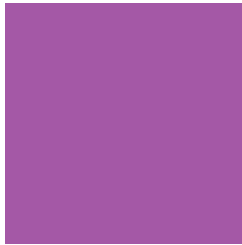
30, 68.109, 38.333



1, 6.578, 17.565

Previews

White Background



This preview shows how the CIELCh color 49, 51.697, 326.104 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 49, 51.697, 326.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

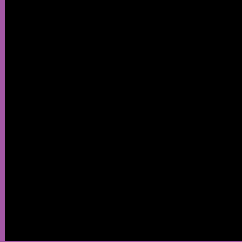
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 51.697, 326.104

Background



This preview shows how black text looks on a background with the CIELCh color 49, 51.697, 326.104.



This preview shows how white text looks on a background with the CIELCh color 49, 51.697, 326.104.

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
49, 51.697, 326.104

Protanopia
49, 43.016, 285.371

Deuteranopia
49, 27.150, 285.237



Tritanopia
49, 24.198, 11.685

Trichromacy



Original Color
49, 51.697, 326.104

Protanomaly
48, 44.356, 300.076

Deuteranomaly
48, 34.983, 305.717

Tritanomaly
49, 31.831, 345.730

Monochromacy



Original Color
49, 51.697, 326.104

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 20.210, 324.584

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 51.697, 326.104 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(164, 88, 166)` looks like.

```
.text, #text, p{  
    color:rgb(164, 88, 166)  
}
```

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(164, 88, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 88, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 51.697, 326.104 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(164, 88, 166) }
```

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

```
.border{ border-color:rgb(164, 88, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 88, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 88, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 88, 166); box-shadow:4px 4px 4px 4px rgb(164, 88, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 51.697, 326.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 88, 166) }
```

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

```
.background{ background-color: rgb(164, 88,  
166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor