

Converting Colors

CIELCh(46, 32.574, 337.962)

Have a look what the booklet for
CIELCh(46, 32.574, 337.962)
contains.

CIELCh(46, 32.629, 338.160)	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(46, 32.629, 338.160)

Conversions

Conversions Part 1

Format	Color
Hex	955A82
RGB	149, 90, 130
RGB Percent	58%, 35%, 51%
CMY	0.4163, 0.6476, 0.4908
CMYK	0.00, 0.40, 0.13, 0.42
HSL	319°, 25%, 47%
HSV	319°, 40%, 58%
XYZ	20.0269, 15.2687, 22.9559
YIQ	112.2010, 22.3240, 24.9480

Conversions

Conversions Part 2

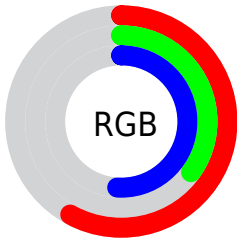
Format	Color
R_{YB}	149, 90, 130
Decimal	9788034
CIE _{Lab}	46.00, 30.29, -12.14
CIE _{LCh}	46, 32.629, 338.160
Yxy	15.2687, 0.3438, 0.2621
Android (android.graphics.Color)	4287978114 (0xFF955A82)
YUV	112.2010, 8.7749, 32.2727
Hunter-Lab	39.0751, 23.1039, -7.4792

Details

The CIELCh color $46, 32.629, 338.160$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $57, 32.181, 151.800$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 32.756, 337.996$, and $26, 32.755, 338.031$ is the 20% darker color. If you saturate the color by 10%, you get $43, 40.327, 339.071$, and if you desaturate by 10%, it is $50, 24.502, 337.325$.

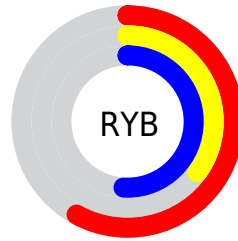
Distribution



Red (58%)

Green (35%)

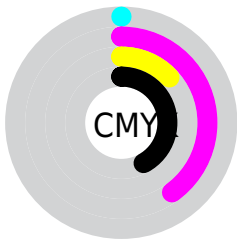
Blue (51%)



Red (58%)

Yellow (35%)

Blue (51%)

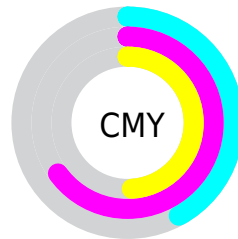


Cyan (0%)

Magenta (40%)

Yellow (13%)

Black (42%)



Cyan (42%)


Magenta (65%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 32.629, 338.160 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 46, 32.629, 338.160 by changing the saturation by 10% instead.


 46, 32.629,
338.160


 46, 32.629,
338.160


 100, 32.629,
338.160


 36, 32.629,
338.160

 66, 32.629,
338.160


 26, 32.629,
338.160

 76, 32.629,
338.160

 16, 32.629,
338.160


 86, 32.629,
338.160

 6, 32.629, 338.160

 96, 32.629,
338.160

 0, 32.629, 338.160

 46, 32.629,

 46, 32.629,

338.160

43, 40.327,
339.071

40, 47.278,
340.083

37, 53.099,
341.232

35, 57.416,
342.575

33, 59.966,
344.185

33, 61.105,
346.058

33, 61.146,
346.127

338.160

50, 24.502,
337.325

54, 16.200,
336.547

58, 7.897, 335.808

62, 0.294, 156.111

66, 8.303, 154.564

70, 16.094,
153.950

75, 23.649,
153.382

79, 30.968,
152.850

83, 38.057,

Harmonies

Complementary

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



46, 32.629, 338.160



57, 32.181, 151.800

Rectangle

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



46, 32.629, 338.160



46, 32.629, 28.160



46, 32.629, 158.160



46, 32.629, 208.160

Sweetspot

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



46, 32.627, 338.161



72, 12.227, 335.999



42, 36.287, 305.100



37, 8.093, 336.083



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



46, 32.627, 338.161



55, 48.425, 339.009



45, 26.020, 9.224



29, 4.607, 335.776



30, 57.855, 345.961



1, 3.999, 335.186

Inverse Universe

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



46, 32.627, 338.161



55, 48.425, 339.009



58, 21.881, 180.920



29, 4.607, 335.776



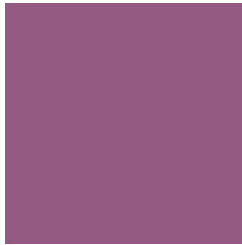
30, 57.855, 345.961



1, 3.999, 335.186

Previews

White Background



This preview shows how the CIELCh color 46, 32.629, 338.160 looks on a white background.

Color Contrast Check

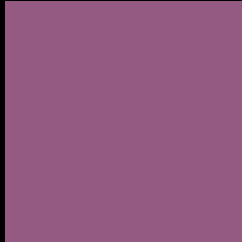
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 32.629, 338.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

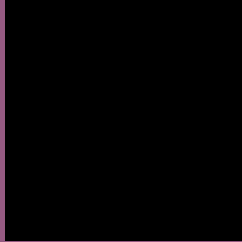
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 32.629, 338.160

Background



This preview shows how black text looks on a background with the CIELCh color 46, 32.629, 338.160.



This preview shows how white text looks on a background with the CIELCh color 46, 32.629, 338.160.

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

46, 32.629, 338.160

Protanopia

46, 20.893, 285.288

Deuteranopia

46, 12.083, 300.931



Tritanopia
46, 22.276, 11.966

Trichromacy



Original Color
46, 32.629, 338.160

Protanomaly
46, 23.044, 308.951

Deuteranomaly
46, 18.642, 322.365

Tritanomaly
46, 24.890, 356.501

Monochromacy



Original Color
46, 32.629, 338.160

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 11.904, 336.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 32.629, 338.160 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, 90, 130)` looks like.

```
.text, #text, p{  
    color:rgb(149, 90, 130)  
}
```

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, 90, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 90, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 32.629, 338.160 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, 90, 130) }
```

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

```
.border{ border-color:rgb(149, 90, 130) }
```

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

Here you see how a box with a 4 pixel rgb(149, 90, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 90, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 90, 130);  
box-shadow:4px 4px 4px 4px rgb(149, 90,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 32.629, 338.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 90, 130) }
```

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

```
.background{ background-color: rgb(149, 90,  
130) }
```

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