

Converting Colors

CIELCh(32, 49.902, 288.081)

Have a look what the booklet for
CIELCh(32, 49.902, 288.081)
contains.

CIELCh(32, 49.967, 288.034)	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>	26

Color

CIELCh(32, 49.967, 288.034)

Conversions

Conversions Part 1

Format	Color
Hex	1D4897
RGB	29, 72, 151
RGB Percent	11%, 28%, 59%
CMY	0.8880, 0.7186, 0.4089
CMYK	0.81, 0.52, 0.00, 0.41
HSL	219°, 68%, 35%
HSV	219°, 81%, 59%
XYZ	8.3605, 7.0852, 30.0893
YIQ	68.1490, -50.9870, 15.4530

Conversions

Conversions Part 2

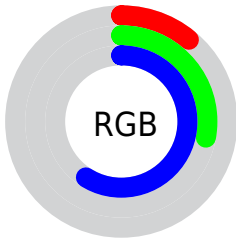
Format	Color
R _Y B	29, 61, 151
Decimal	1919127
CIE Lab	32.00, 15.47, -47.51
CIE LCh	32, 49.967, 288.034
Yxy	7.0852, 0.1836, 0.1556
Android (android.graphics.Color)	4280109207 (0xFF1D4897)
YUV	68.1490, 40.8455, -34.3337
Hunter-Lab	26.6180, 9.4838, -48.3896

Details

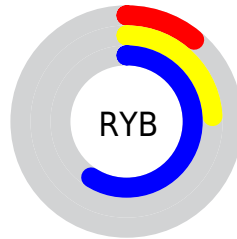
The CIELCh color **32, 49.967, 288.034** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **49, 48.776, 78.177**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 49.957, 288.044**, and **15, 48.114, 296.042** is the 20% darker color. If you saturate the color by 10%, you get **29, 56.731, 291.680**, and if you desaturate by 10%, it is **35, 43.360, 284.584**.

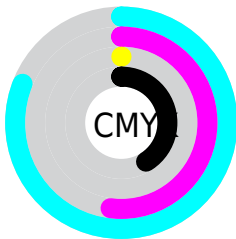
Distribution



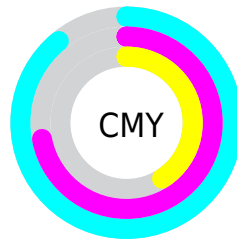
- Red (11%)
- Green (28%)
- Blue (59%)



- Red (11%)
- Yellow (24%)
- Blue (59%)



- Cyan (81%)
- Magenta (52%)
- Yellow (0%)
- Black (41%)





- Cyan (89%)
- Magenta (72%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 49.967, 288.034 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 32, 49.967, 288.034 by changing the saturation by 10% instead.


 32, 49.967,
288.034


 32, 49.967,
288.034

 100, 49.967,
288.034


 22, 49.967,
288.034

 52, 49.967,
288.034


 12, 49.967,
288.034


 62, 49.967,
288.034

 2, 49.967, 288.034

 72, 49.967,
288.034

 0, 49.967, 288.034

 82, 49.967,
288.034

 92, 49.967,
288.034

■ 32, 49.967,
288.034

■ 32, 49.967,
288.034

■ 29, 56.731,
291.680

■ 35, 43.360,
284.584

■ 26, 62.865,
294.808

■ 39, 36.924,
281.448

■ 43, 30.634,
278.677

■ 47, 24.460,
276.273

■ 50, 18.381,
274.206

■ 54, 12.383,
272.438

■ 58, 6.461, 270.932

■ 62, 0.615, 269.927

Harmonies

Complementary

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



32, 49.967, 288.034



49, 48.776, 78.177

Rectangle

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



32, 49.967, 288.034



32, 49.967, 338.034



32, 49.967, 108.034



32, 49.967, 158.034

Sweetspot

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



32, 49.967, 288.035



68, 17.552, 273.014



55, 45.489, 161.212



34, 12.179, 273.597



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



32, 49.967, 288.035



36, 75.551, 294.556



22, 77.296, 305.234



30, 3.342, 270.686



24, 59.242, 294.557



1, 3.617, 269.961

Inverse Universe

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



34, 51.993, 6.799



42, 69.633, 14.857



59, 60.541, 110.459



30, 3.820, 353.130



29, 54.757, 14.776



1, 4.051, 352.735

Previews

White Background



This preview shows how the CIE LCh color 32, 49.967, 288.034 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 32, 49.967, 288.034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

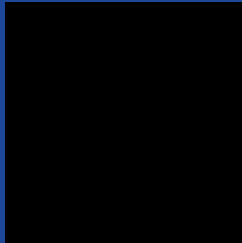
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 49.967, 288.034

Background



This preview shows how black text looks on a background with the CIELCh color 32, 49.967, 288.034.



This preview shows how white text looks on a background with the CIELCh color 32, 49.967, 288.034.

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



Trichromacy



Original Color
32, 49.967, 288.034

Protanomaly
32, 50.086, 287.172

Tritanomaly
32, 24.798, 251.160

Monochromacy



Original Color
32, 49.967, 288.034

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 19.131, 277.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 49.967, 288.034 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(29, 72, 151)` looks like.

```
.text, #text, p{  
    color:rgb(29, 72, 151)  
}
```

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(29, 72, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 72, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 49.967, 288.034 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(29, 72, 151) }
```

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

```
.border{ border-color:rgb(29, 72, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 72, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 72, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 72, 151);  
box-shadow:4px 4px 4px 4px rgb(29, 72,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 49.967, 288.034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 72, 151) }
```

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

```
.background{ background-color: rgb(29, 72,  
151) }
```

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