

Converting Colors

CIELCh(32, 49.615, 288.117)

Have a look what the booklet for
CIELCh(32, 49.615, 288.117)
contains.

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Color

CIELCh(32, 49.358, 287.908)

Conversions

Conversions Part 1

Format	Color
Hex	1E4896
RGB	30, 72, 150
RGB Percent	12%, 28%, 59%
CMY	0.8834, 0.7182, 0.4124
CMYK	0.80, 0.52, 0.00, 0.41
HSL	219°, 67%, 35%
HSV	219°, 80%, 59%
XYZ	8.3276, 7.0852, 29.7128
YIQ	68.3340, -50.0700, 15.3540

Conversions

Conversions Part 2

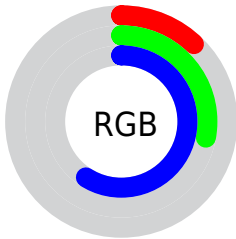
Format	Color
R_{YB}	30, 61, 150
Decimal	1984662
CIE _{Lab}	32.00, 15.18, -46.97
CIE _{LCh}	32, 49.358, 287.908
Yxy	7.0852, 0.1845, 0.1570
Android (android.graphics.Color)	4280174742 (0xFF1E4896)
YUV	68.3340, 40.2613, -33.6189
Hunter-Lab	26.6180, 9.2633, -47.5511

Details

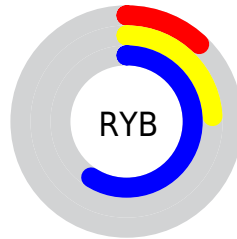
The CIELCh color **32, 49.358, 287.908** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **49, 48.150, 78.605**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 49.399, 287.862**, and **14, 47.483, 295.824** is the 20% darker color. If you saturate the color by 10%, you get **29, 56.116, 291.528**, and if you desaturate by 10%, it is **35, 42.759, 284.495**.

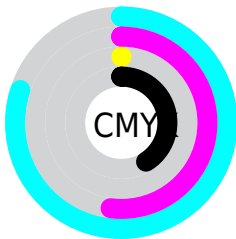
Distribution



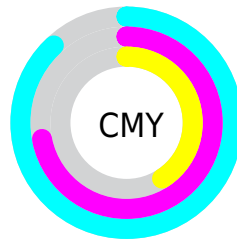
- Red (12%)
- Green (28%)
- Blue (59%)



- Red (12%)
- Yellow (24%)
- Blue (59%)



- Cyan (80%)
- Magenta (52%)
- Yellow (0%)
- Black (41%)



- Cyan (88%)
- Magenta (72%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 49.358, 287.908 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, 49.358, 287.908 by changing the saturation by 10% instead.

■ 32, 49.358,
287.908

■ 32, 49.358,
287.908

■ 100, 49.358,
287.908

■ 22, 49.358,
287.908

■ 52, 49.358,
287.908

■ 12, 49.358,
287.908

■ 62, 49.358,
287.908

■ 2, 49.358, 287.908

■ 72, 49.358,
287.908

■ 0, 49.358, 287.908

■ 82, 49.358,
287.908

■ 92, 49.358,
287.908

■ 32, 49.358,
287.908

■ 32, 49.358,
287.908

■ 29, 56.116,
291.528

■ 35, 42.759,
284.495

■ 26, 62.865,
294.968

■ 39, 36.332,
281.401

■ 43, 30.050,
278.672

■ 47, 23.885,
276.306

■ 50, 17.815,
274.272

■ 54, 11.829,
272.533

■ 58, 5.922, 271.052

■ 62, 0.093, 271.926



Harmonies

Complementary

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



32, 49.358, 287.908



49, 48.150, 78.605

Rectangle

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



32, 49.358, 287.908



32, 49.358, 337.908



32, 49.358, 107.908



32, 49.358, 157.908

Sweetspot

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



32, 49.358, 287.909



67, 17.427, 273.252



55, 44.948, 161.391



33, 11.962, 273.822



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



32, 49.358, 287.909



35, 74.271, 294.349



23, 76.155, 305.118



29, 3.260, 270.924



24, 58.638, 294.671



1, 2.837, 269.716

Inverse Universe

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



34, 51.386, 6.699



41, 68.705, 14.571



59, 59.860, 110.467



29, 3.708, 353.319



28, 54.060, 14.952



1, 3.192, 352.541

Previews

White Background



This preview shows how the CIE LCh color 32, 49.358, 287.908 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, 49.358, 287.908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

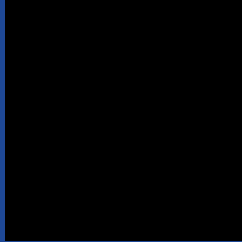
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 49.358, 287.908

Background



This preview shows how black text looks on a background with the CIELCh color 32, 49.358, 287.908.



This preview shows how white text looks on a background with the CIELCh color 32, 49.358, 287.908.

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


32, 49.358, 287.908

Protanopia

32, 49.498, 286.885

Deuteranopia

32, 37.065, 273.679



Tritanopia
32, 21.445, 206.982

Trichromacy



Original Color
32, 49.358, 287.908

Protanomaly
32, 49.449, 287.237

Deuteranomaly
32, 41.381, 279.641

Tritanomaly
31, 25.057, 253.049

Monochromacy



Original Color
32, 49.358, 287.908

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, 49.358, 287.908 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(30, 72, 150)` looks like.

```
.text, #text, p{  
    color:rgb(30, 72, 150)  
}
```

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(30, 72, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 72, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 49.358, 287.908 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(30, 72, 150) }
```

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

```
.border{ border-color:rgb(30, 72, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 72, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 72, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 72, 150);  
box-shadow:4px 4px 4px 4px rgb(30, 72,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 49.358, 287.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 72, 150) }
```

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

```
.background{ background-color: rgb(30, 72,  
150) }
```

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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