

Converting Colors

CIELCh(34, 46.131, 289.039)

Have a look what the booklet for
CIELCh(34, 46.131, 289.039)
contains.

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Color

CIELCh(34, 46.316, 289.166)

Conversions

Conversions Part 1

Format	Color
Hex	314C96
RGB	49, 76, 150
RGB Percent	19%, 30%, 59%
CMY	0.8082, 0.7023, 0.4121
CMYK	0.67, 0.49, 0.00, 0.41
HSL	224°, 51%, 39%
HSV	224°, 67%, 59%
XYZ	9.3390, 8.0082, 29.8714
YIQ	76.3630, -39.8460, 17.2900

Conversions

Conversions Part 2

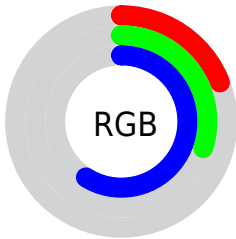
Format	Color
R_{YB}	49, 70, 150
Decimal	3230870
CIE _{Lab}	34.00, 15.21, -43.75
CIE _{LCh}	34, 46.316, 289.166
Yxy	8.0082, 0.1978, 0.1696
Android (android.graphics.Color)	4281420950 (0xFF314C96)
YUV	76.3630, 36.3030, -23.9974
Hunter-Lab	28.2988, 9.3847, -42.7757

Details

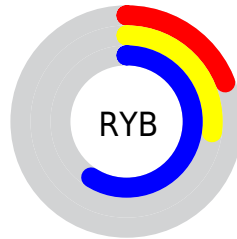
The CIELCh color **34, 46.316, 289.166** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **53, 43.129, 87.497**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 46.712, 289.320**, and **15, 45.245, 294.052** is the 20% darker color. If you saturate the color by 10%, you get **30, 53.962, 292.242**, and if you desaturate by 10%, it is **38, 38.885, 286.368**.

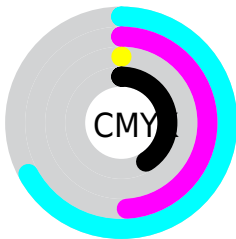
Distribution



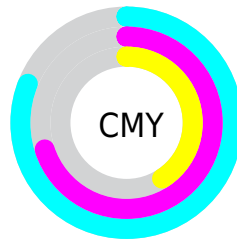
- Red (19%)
- Green (30%)
- Blue (59%)



- Red (19%)
- Yellow (27%)
- Blue (59%)



- Cyan (67%)
- Magenta (49%)
- Yellow (0%)
- Black (41%)





- Cyan (81%)
- Magenta (70%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 46.316, 289.166 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 34, 46.316, 289.166 by changing the saturation by 10% instead.


 34, 46.316,
289.166

 34, 46.316,
289.166


 100, 46.316,
289.166


 24, 46.316,
289.166

 54, 46.316,
289.166

 14, 46.316,
289.166


 64, 46.316,
289.166

 4, 46.316, 289.166

 74, 46.316,
289.166

 0, 46.316, 289.166

 84, 46.316,
289.166

 94, 46.316,
289.166

■ 34, 46.316,
289.166

■ 34, 46.316,
289.166

■ 30, 53.962,
292.242

■ 38, 38.885,
286.368

■ 27, 61.733,
295.471

■ 42, 31.678,
283.893

■ 24, 69.392,
298.611

■ 46, 24.678,
281.743

■ 23, 71.346,
299.337

■ 50, 17.861,
279.892

■ 55, 11.210,
278.305

■ 59, 4.711, 276.956

■ 63, 1.644, 95.644

■ 67, 7.861, 94.697

Harmonies

Complementary

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



34, 46.316, 289.166



53, 43.129, 87.497

Rectangle

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



34, 46.316, 289.166



34, 46.316, 339.166



34, 46.316, 109.166



34, 46.316, 159.166

Sweetspot

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



34, 46.316, 289.167



68, 15.957, 278.758



56, 36.680, 169.479



34, 10.886, 279.155



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



34, 46.316, 289.167



38, 70.137, 293.919



29, 63.880, 305.093



29, 3.572, 277.183



21, 66.551, 299.086



1, 3.097, 276.038

Inverse Universe

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



36, 44.925, 9.152



43, 63.897, 14.632



59, 53.586, 114.739



29, 3.554, 359.035



28, 55.877, 22.473



1, 3.048, 358.246

Previews

White Background



This preview shows how the CIELCh color 34, 46.316, 289.166 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 CIE LCh color 34, 46.316, 289.166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

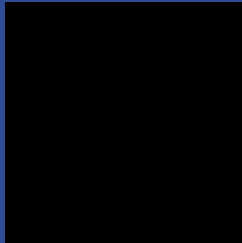
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 46.316, 289.166

Background



This preview shows how black text looks on a background with the CIELCh color 34, 46.316, 289.166.



This preview shows how white text looks on a background with the CIELCh color 34, 46.316, 289.166.

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

34, 46.316, 289.166

Protanopia

34, 46.501, 286.665

Deuteranopia

34, 40.282, 275.637



Tritanopia
34, 22.463, 208.059

Trichromacy



Original Color
34, 46.316, 289.166

Protanomaly
34, 46.404, 287.468

Deuteranomaly
34, 42.832, 280.276

Tritanomaly
33, 25.123, 251.983

Monochromacy



Original Color
34, 46.316, 289.166

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 17.312, 281.013

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 46.316, 289.166 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(49, 76, 150)` looks like.

```
.text, #text, p{  
    color:rgb(49, 76, 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(49, 76, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 76, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 46.316, 289.166 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(49, 76, 150) }
```

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

```
.border{ border-color:rgb(49, 76, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 76, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 76, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 76, 150);  
box-shadow:4px 4px 4px 4px rgb(49, 76,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 46.316, 289.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 76, 150) }
```

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

```
.background{ background-color: rgb(49, 76,  
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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