

Converting Colors

CIELCh(34, 62.095, 290.315)

Have a look what the booklet for
CIELCh(34, 62.095, 290.315)
contains.

CIELCh(34, 62.356, 290.456)	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(34, 62.356, 290.456)

Conversions

Conversions Part 1

Format	Color
Hex	034AAE
RGB	3, 74, 174
RGB Percent	1%, 29%, 68%
CMY	0.9884, 0.7090, 0.3167
CMYK	0.98, 0.57, 0.00, 0.32
HSL	215°, 97%, 35%
HSV	215°, 98%, 68%
XYZ	10.1619, 8.0082, 41.1768
YIQ	64.1710, -74.4160, 16.0480

Conversions

Conversions Part 2

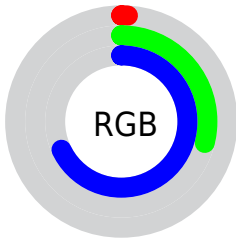
Format	Color
R _Y B	3, 53, 174
Decimal	215726
CIE Lab	34.00, 21.79, -58.42
CIE LCh	34, 62.356, 290.456
Yxy	8.0082, 0.1712, 0.1349
Android (android.graphics.Color)	4278405806 (0xFF034AAE)
YUV	64.1710, 54.1457, -53.6470
Hunter-Lab	28.2988, 14.5754, -66.4620

Details

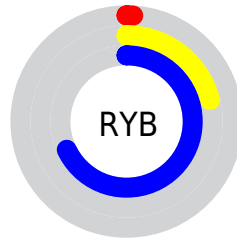
The CIELCh color **34, 62.356, 290.456** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **50, 61.731, 68.486**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **54, 62.109, 290.470**, and **17, 59.508, 298.668** is the 20% darker color. If you saturate the color by 10%, you get **33, 63.527, 291.085**, and if you desaturate by 10%, it is **37, 55.580, 286.465**.

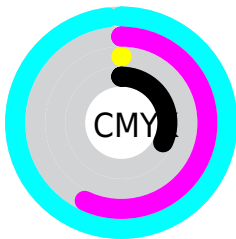
Distribution



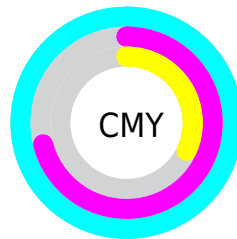
- Red (1%)
- Green (29%)
- Blue (68%)



- Red (1%)
- Yellow (21%)
- Blue (68%)



- Cyan (98%)
- Magenta (57%)
- Yellow (0%)
- Black (32%)




- Cyan (99%)
- Magenta (71%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 62.356, 290.456 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, 62.356, 290.456 by changing the saturation by 10% instead.


 34, 62.356,
290.456

 34, 62.356,
290.456

 100, 62.356,
290.456

 24, 62.356,
290.456

 54, 62.356,
290.456

 14, 62.356,
290.456

 64, 62.356,
290.456

 4, 62.356, 290.456

 74, 62.356,
290.456

 0, 62.356, 290.456

 84, 62.356,
290.456

 94, 62.356,
290.456

■ 34, 62.356,
290.456

■ 34, 62.356,
290.456

■ 33, 63.527,
291.085

■ 37, 55.580,
286.465

■ 41, 48.980,
282.531

■ 44, 42.538,
278.892

■ 48, 36.209,
275.645

■ 52, 29.945,
272.815

■ 56, 23.714,
270.385

■ 60, 17.499,
268.314

■ 64, 11.299,

266.556

■ 68, 5.118, 265.078

Harmonies

Complementary

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



34, 62.356, 290.456



50, 61.731, 68.486

Rectangle

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



34, 62.356, 290.456



34, 62.356, 340.456



34, 62.356, 110.456



34, 62.356, 160.456

Sweetspot

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



34, 62.356, 290.458



76, 22.233, 268.547



63, 60.398, 154.212



38, 15.388, 269.390



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



34, 62.356, 290.458



44, 78.855, 291.836



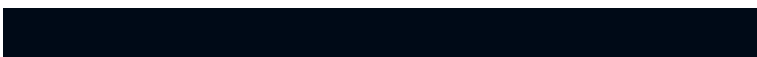
21, 99.236, 306.417



35, 3.476, 265.213



29, 56.311, 290.573



2, 7.918, 270.653

Inverse Universe

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



37, 63.195, 9.118



48, 77.555, 10.877



68, 72.835, 107.912



34, 4.398, 349.214



32, 57.020, 9.223



2, 8.746, 353.295

Previews

White Background



This preview shows how the CIELCh color 34, 62.356, 290.456 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, 62.356, 290.456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

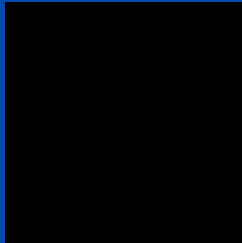
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 62.356, 290.456

Background



This preview shows how black text looks on a background with the CIELCh color 34, 62.356, 290.456.



This preview shows how white text looks on a background with the CIELCh color 34, 62.356, 290.456.

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, 62.349, 290.497

Protanopia

34, 54.630, 286.500

Tritanopia

34, 22.603, 204.647

Trichromacy



Original Color
34, 62.349, 290.497

Protanomaly
34, 57.581, 288.122

Tritanomaly
34, 28.793, 257.393

Monochromacy



Original Color
34, 62.349, 290.497

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 24.136, 274.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 62.356, 290.456 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(3, 74, 174)` looks like.

```
.text, #text, p{  
    color:rgb(3, 74, 174)  
}
```

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(3, 74, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 74, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 62.356, 290.456 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(3, 74, 174) }
```

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

```
.border{ border-color:rgb(3, 74, 174) }
```

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

Here you see how a box with a 4 pixel rgb(3, 74, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 74, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 74, 174);  
box-shadow:4px 4px 4px 4px rgb(3, 74, 174)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 62.356, 290.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 74, 174) }
```

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

```
.background{ background-color: rgb(3, 74,  
174) }
```

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