

Converting Colors

CIELCh(34, 68.295, 294.817)

Have a look what the booklet for
CIELCh(34, 68.295, 294.817)
contains.

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Color

CIELCh(34, 68.172, 294.760)

Conversions

Conversions Part 1

Format	Color
Hex	2046B4
RGB	32, 70, 180
RGB Percent	13%, 27%, 71%
CMY	0.8734, 0.7250, 0.2935
CMYK	0.82, 0.61, 0.00, 0.29
HSL	225°, 70%, 42%
HSV	225°, 82%, 71%
XYZ	11.0552, 8.0082, 44.2221
YIQ	71.1780, -57.9580, 26.1540

Conversions

Conversions Part 2

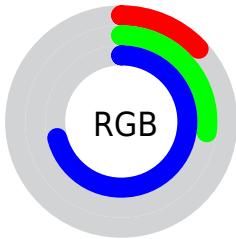
Format	Color
R_{YB}	32, 62, 180
Decimal	2115252
CIE _{Lab}	34.00, 28.55, -61.90
CIE _{LCh}	34, 68.172, 294.760
Yxy	8.0082, 0.1747, 0.1265
Android (android.graphics.Color)	4280305332 (0xFF2046B4)
YUV	71.1780, 53.6492, -34.3591
Hunter-Lab	28.2988, 20.2097, -72.8424

Details

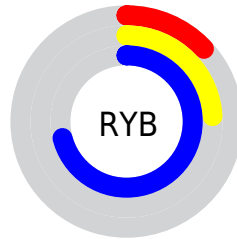
The CIELCh color **34, 68.172, 294.760** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **61, 58.921, 86.082**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 68.221, 294.690**, and **17, 65.672, 300.728** is the 20% darker color. If you saturate the color by 10%, you get **30, 77.283, 297.978**, and if you desaturate by 10%, it is **38, 59.020, 291.575**.

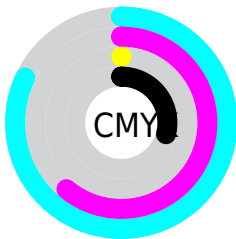
Distribution



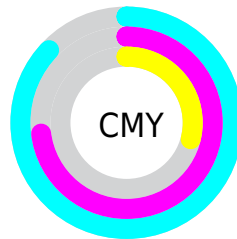
- Red (13%)
- Green (27%)
- Blue (71%)



- Red (13%)
- Yellow (24%)
- Blue (71%)



- Cyan (82%)
- Magenta (61%)
- Yellow (0%)
- Black (29%)




- Cyan (87%)
- Magenta (73%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 68.172, 294.760 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, 68.172, 294.760 by changing the saturation by 10% instead.


 34, 68.172,
294.760

 34, 68.172,
294.760

 100, 68.172,
294.760


 24, 68.172,
294.760

 54, 68.172,
294.760

 14, 68.172,
294.760

 64, 68.172,
294.760

 4, 68.172, 294.760

 74, 68.172,
294.760

 0, 68.172, 294.760

 84, 68.172,
294.760

 94, 68.172,
294.760

■ 34, 68.172,
294.760

■ 34, 68.172,
294.760

■ 30, 77.283,
297.978

■ 38, 59.020,
291.575

■ 27, 84.182,
300.308

■ 43, 50.068,
288.599

■ 48, 41.388,
285.928

■ 53, 32.978,
283.591

■ 57, 24.813,
281.575

■ 62, 16.867,
279.846

■ 67, 9.119, 278.371

■ 72, 1.557, 277.189

Harmonies

Complementary

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



34, 68.172, 294.760



61, 58.921, 86.082

Rectangle

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



34, 68.172, 294.760



34, 68.172, 344.760



34, 68.172, 114.760



34, 68.172, 164.760

Sweetspot

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



34, 68.172, 294.761



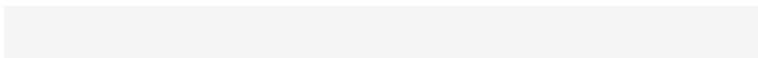
78, 23.769, 280.395



66, 47.342, 168.146



39, 16.273, 280.993



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



34, 68.172, 294.761



37, 102.222, 300.273



28, 89.289, 306.954



35, 4.231, 278.005



23, 73.697, 299.906



2, 10.813, 280.549

Inverse Universe

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



40, 61.030, 15.893



50, 83.828, 24.848



69, 71.305, 115.463



35, 4.134, 359.902



32, 60.932, 24.060



2, 9.560, 3.431

Previews

White Background



This preview shows how the CIE LCh color 34, 68.172, 294.760 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 34, 68.172, 294.760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

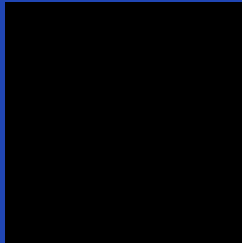
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 68.172, 294.760

Background



This preview shows how black text looks on a background with the CIELCh color 34, 68.172, 294.760.



This preview shows how white text looks on a background with the CIELCh color 34, 68.172, 294.760.

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, 68.172, 294.760

Protanopia

34, 54.053, 286.218

Deuteranopia

34, 37.576, 272.452



Tritanopia
34, 22.603, 204.647

Trichromacy



Original Color
34, 68.172, 294.760

Protanomaly
34, 59.393, 289.836

Deuteranomaly
34, 48.115, 283.499

Tritanomaly
33, 30.145, 263.435

Monochromacy



Original Color
34, 68.172, 294.760

Achromatopsia
30, 0.005, 296.813

Achromatomaly
31, 25.698, 284.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 68.172, 294.760 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(32, 70, 180)` looks like.

```
.text, #text, p{  
    color:rgb(32, 70, 180)  
}
```

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(32, 70, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 70, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 68.172, 294.760 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(32, 70, 180) }
```

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

```
.border{ border-color:rgb(32, 70, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 70, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 70, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 70, 180);  
box-shadow:4px 4px 4px 4px rgb(32, 70,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 68.172, 294.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 70, 180) }
```

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

```
.background{ background-color: rgb(32, 70,  
180) }
```

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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