

Converting Colors

CIELCh(34, 85.137, 299.194)

Have a look what the booklet for
CIELCh(34, 85.137, 299.194)
contains.

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Color

CIELCh(34, 85.105, 299.205)

Conversions

Conversions Part 1

Format	Color
Hex	213EC9
RGB	33, 62, 201
RGB Percent	13%, 24%, 79%
CMY	0.8725, 0.7561, 0.2109
CMYK	0.84, 0.69, 0.00, 0.21
HSL	229°, 72%, 46%
HSV	229°, 84%, 79%
XYZ	12.9136, 8.0082, 56.2653
YIQ	69.1750, -61.9030, 37.0810

Conversions

Conversions Part 2

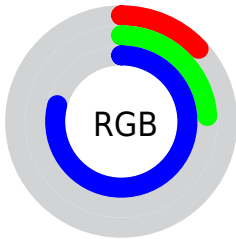
Format	Color
R _Y B	33, 58, 201
Decimal	2178761
CIE Lab	34.00, 41.53, -74.29
CIE LCh	34, 85.105, 299.205
Yxy	8.0082, 0.1673, 0.1038
Android (android.graphics.Color)	4280368841 (0xFF213EC9)
YUV	69.1750, 64.9897, -31.7255
Hunter-Lab	28.2988, 31.9318, -98.0747

Details

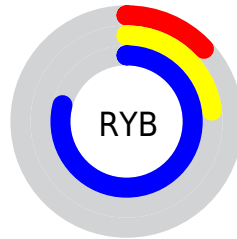
The CIELCh color **34, 85.105, 299.205** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark muted blue. A complement of this color would be **71, 67.964, 91.950**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 82.851, 299.061**, and **18, 80.890, 303.810** is the 20% darker color. If you saturate the color by 10%, you get **30, 95.352, 301.917**, and if you desaturate by 10%, it is **39, 74.089, 296.320**.

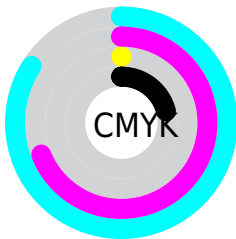
Distribution



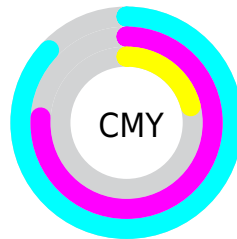
- Red (13%)
- Green (24%)
- Blue (79%)



- Red (13%)
- Yellow (23%)
- Blue (79%)



- Cyan (84%)
- Magenta (69%)
- Yellow (0%)
- Black (21%)




- Cyan (87%)
- Magenta (76%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 85.105, 299.205 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, 85.105, 299.205 by changing the saturation by 10% instead.


 34, 85.105,
299.205


 34, 85.105,
299.205

 100, 85.105,
299.205


 24, 85.105,
299.205

 54, 85.105,
299.205

 14, 85.105,
299.205

 64, 85.105,
299.205

 4, 85.105, 299.205

 74, 85.105,
299.205

 0, 85.105, 299.205

 84, 85.105,
299.205

 94, 85.105,
299.205

■ 34, 85.105,
299.205

■ 34, 85.105,
299.205

■ 30, 95.352,
301.917

■ 39, 74.089,
296.320

■ 28, 100.849,
303.321

■ 44, 63.011,
293.507

■ 50, 52.199,
290.924

■ 55, 41.755,
288.636

■ 61, 31.684,
286.653

■ 67, 21.960,
284.953

■ 73, 12.553,
283.502

■ 79, 3.438, 282.288

Harmonies

Complementary

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



34, 85.105, 299.205



71, 67.964, 91.950

Rectangle

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



34, 85.105, 299.205



34, 85.105, 349.205



34, 85.105, 119.205



34, 85.105, 169.205

Sweetspot

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



34, 85.106, 299.206



82, 27.974, 285.192



73, 47.663, 175.176



41, 19.196, 285.781



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



34, 85.106, 299.206



36, 121.846, 303.637



32, 98.185, 308.534



39, 5.061, 282.928



22, 85.277, 302.959



2, 18.887, 286.786

Inverse Universe

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



44, 69.721, 23.472



53, 95.460, 32.326



75, 80.242, 119.426



39, 4.388, 5.901



34, 67.280, 30.669



3, 16.119, 10.370

Previews

White Background



This preview shows how the CIE LCh color 34, 85.105, 299.205 looks on a white background.

Color Contrast Check

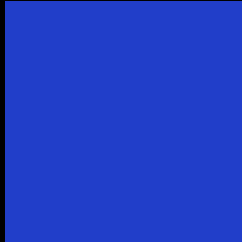
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.105, 299.205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

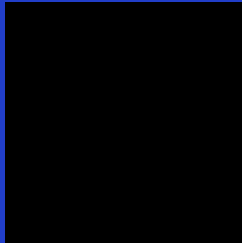
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 85.105, 299.205

Background



This preview shows how black text looks on a background with the CIELCh color 34, 85.105, 299.205.



This preview shows how white text looks on a background with the CIELCh color 34, 85.105, 299.205.

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, 85.086, 299.261

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 37.046, 271.835



Tritanopia
33, 22.423, 204.730

Trichromacy



Original Color
34, 85.086, 299.261

Protanomaly
34, 64.769, 292.089

Deuteranomaly
33, 54.090, 287.405

Tritanomaly
33, 35.191, 272.262

Monochromacy



Original Color
34, 85.086, 299.261

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 32.039, 289.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 85.105, 299.205 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(33, 62, 201)` looks like.

```
.text, #text, p{  
    color:rgb(33, 62, 201)  
}
```

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(33, 62, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 62, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 85.105, 299.205 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(33, 62, 201) }
```

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

```
.border{ border-color:rgb(33, 62, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 62, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 62, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 62, 201);  
box-shadow:4px 4px 4px 4px rgb(33, 62,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 85.105, 299.205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 62, 201) }
```

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

```
.background{ background-color: rgb(33, 62,  
201) }
```

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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