

Converting Colors

CIELCh(34, 87.002, 298.352)

Have a look what the booklet for
CIELCh(34, 87.002, 298.352)
contains.

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Color

CIELCh(34, 86.961, 298.362)

Conversions

Conversions Part 1

Format	Color
Hex	063FCD
RGB	6, 63, 205
RGB Percent	2%, 25%, 80%
CMY	0.9756, 0.7528, 0.1959
CMYK	0.97, 0.69, 0.00, 0.20
HSL	223°, 94%, 41%
HSV	223°, 97%, 80%
XYZ	12.8811, 8.0082, 58.6501
YIQ	62.1450, -79.5540, 32.0780

Conversions

Conversions Part 2

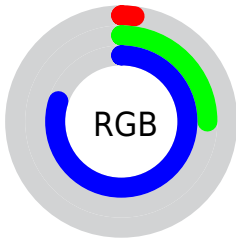
Format	Color
R _Y B	6, 50, 205
Decimal	409549
CIE Lab	34.00, 41.31, -76.52
CIE LCh	34, 86.961, 298.362
Yxy	8.0082, 0.1619, 0.1007
Android (android.graphics.Color)	4278599629 (0xFF063FCD)
YUV	62.1450, 70.4275, -49.2392
Hunter-Lab	28.2988, 31.7268, -103.0710

Details

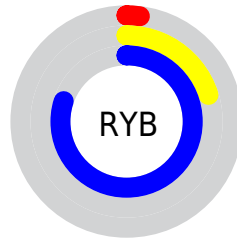
The CIELCh color **34, 86.961, 298.362** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **65, 69.734, 80.579**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 82.350, 297.844**, and **19, 81.929, 303.748** is the 20% darker color. If you saturate the color by 10%, you get **33, 89.801, 299.277**, and if you desaturate by 10%, it is **38, 77.332, 295.034**.

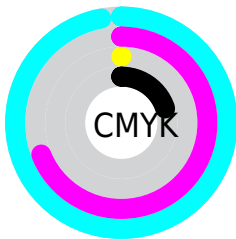
Distribution



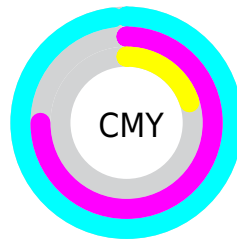
- Red (2%)
- Green (25%)
- Blue (80%)



- Red (2%)
- Yellow (20%)
- Blue (80%)



- Cyan (97%)
- Magenta (69%)
- Yellow (0%)
- Black (20%)



- Cyan (98%)
- Magenta (75%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 86.961, 298.362 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, 86.961, 298.362 by changing the saturation by 10% instead.


 34, 86.961,
298.362

 34, 86.961,
298.362

 100, 86.961,
298.362

 24, 86.961,
298.362

 54, 86.961,
298.362

 14, 86.961,
298.362

 64, 86.961,
298.362

 4, 86.961, 298.362

 74, 86.961,
298.362

 0, 86.961, 298.362

 84, 86.961,
298.362

 94, 86.961,
298.362

■ 34, 86.961,
298.362

■ 34, 86.961,
298.362

■ 33, 89.801,
299.277

■ 38, 77.332,
295.034

■ 42, 67.565,
291.638

■ 47, 57.966,
288.402

■ 52, 48.641,
285.459

■ 57, 39.593,
282.863

■ 63, 30.793,
280.616

■ 68, 22.211,
278.689

■ 73, 13.825,

277.044

■ 79, 5.619, 275.651

Harmonies

Complementary

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



34, 86.961, 298.362



65, 69.734, 80.579

Rectangle

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



34, 86.961, 298.362



34, 86.961, 348.362



34, 86.961, 118.362



34, 86.961, 168.362

Sweetspot

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



34, 86.962, 298.363



81, 28.593, 279.126



73, 59.218, 162.326



41, 19.715, 279.953



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, 86.962, 298.363



41, 107.191, 299.690



27, 110.331, 307.139



40, 4.570, 275.966



26, 75.502, 298.772



3, 18.978, 284.026

Inverse Universe

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



43, 73.856, 21.222



54, 88.978, 23.635



77, 83.702, 114.571



40, 4.681, 357.790



35, 63.783, 21.882



4, 18.493, 5.605

Previews

White Background



This preview shows how the CIELCh color 34, 86.961, 298.362 looks on a white background.

Color Contrast Check

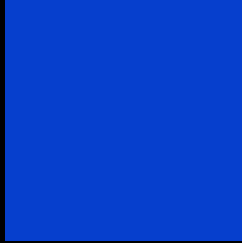
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.961, 298.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

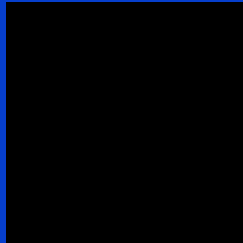
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 86.961, 298.362

Background



This preview shows how black text looks on a background with the CIELCh color 34, 86.961, 298.362.



This preview shows how white text looks on a background with the CIELCh color 34, 86.961, 298.362.

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, 86.961, 298.362

Protanopia

34, 53.477, 285.931

Deuteranopia

34, 37.046, 271.835



Tritanopia
34, 22.700, 202.960

Trichromacy



Original Color
34, 86.961, 298.362

Protanomaly
34, 65.989, 292.061

Deuteranomaly
33, 54.757, 287.139

Tritanomaly
33, 35.943, 271.496

Monochromacy



Original Color
34, 86.961, 298.362

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 33.904, 286.846

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 86.961, 298.362 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(6, 63, 205)` looks like.

```
.text, #text, p{  
    color:rgb(6, 63, 205)  
}
```

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(6, 63, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 63, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 86.961, 298.362 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(6, 63, 205) }
```

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

```
.border{ border-color:rgb(6, 63, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 63, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 63, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 63, 205);  
box-shadow:4px 4px 4px 4px rgb(6, 63, 205)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 34, 86.961, 298.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 63, 205) }
```

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

```
.background{ background-color: rgb(6, 63,  
205) }
```

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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