

Converting Colors

CIELCh(34, 131.072, 306.488)

Have a look what the booklet for
CIELCh(34, 131.072, 306.488)
contains.

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Color

CIELCh(34, 130.841, 306.492)

Conversions

Conversions Part 1

Format	Color
Hex	2A0DFF
RGB	42, 13, 255
RGB Percent	16%, 5%, 100%
CMY	0.8359, 0.9506, 0.0000
CMYK	0.84, 0.95, 0.00, 0.00
HSL	247°, 100%, 52%
HSV	247°, 95%, 100%
XYZ	19.1910, 8.0082, 95.4252
YIQ	49.2590, -60.3980, 81.4100

Conversions

Conversions Part 2

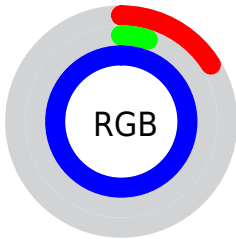
Format	Color
R _Y B	42, 13, 255
Decimal	2756095
CIE Lab	34.00, 77.81, -105.19
CIE LCh	34, 130.841, 306.492
Yxy	8.0082, 0.1565, 0.0653
Android (android.graphics.Color)	4280946175 (0xFF2A0DFF)
YUV	49.2590, 101.4303, -6.3661
Hunter-Lab	28.2988, 71.5277, -180.1202

Details

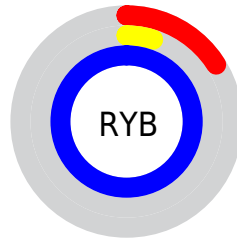
The CIELCh color **34, 130.841, 306.492** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **95, 96.975, 110.094**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 101.456, 307.517**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 133.071, 306.632**, and if you desaturate by 10%, it is **37, 122.687, 305.856**.

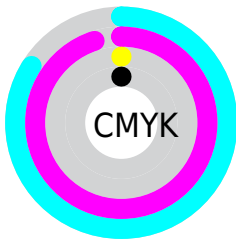
Distribution



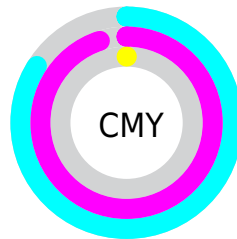
- Red (16%)
- Green (5%)
- Blue (100%)



- Red (16%)
- Yellow (5%)
- Blue (100%)



- Cyan (84%)
- Magenta (95%)
- Yellow (0%)
- Black (0%)





- Cyan (84%)
- Magenta (95%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 130.841, 306.492 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, 130.841, 306.492 by changing the saturation by 10% instead.


 34, 130.841,
306.492


 34, 130.841,
306.492


 100, 130.841,
306.492


 24, 130.841,
306.492


 54, 130.841,
306.492


 14, 130.841,
306.492


 64, 130.841,
306.492

 4, 130.841,
306.492

 74, 130.841,
306.492

 0, 130.841,
306.492

 84, 130.841,
306.492

 94, 130.841,
306.492

■ 34, 130.841,
306.492

■ 34, 130.841,
306.492

■ 33, 133.071,
306.632

■ 37, 122.687,
305.856

■ 43, 110.271,
304.626

■ 49, 95.445,
303.079

■ 56, 79.782,
301.458

■ 64, 64.151,
299.915

■ 72, 48.936,
298.520

■ 80, 34.272,
297.295

■ 88, 20.186,

296.237

 96, 6.659, 295.330

Harmonies

Complementary

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



34, 130.841, 306.492



95, 96.975, 110.094

Rectangle

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



34, 130.841, 306.492



34, 130.841, 356.492



34, 130.841, 126.492



34, 130.841, 176.492

Sweetspot

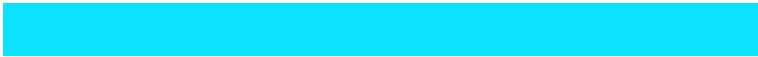
The Sweet Spot groups the original color and five complimentary colors.



34, 130.704, 306.494



77, 39.975, 297.757



83, 43.975, 216.997



37, 27.670, 298.287



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, 130.704, 306.494



33, 133.071, 306.632



46, 120.184, 315.031



49, 7.536, 295.715



24, 107.055, 306.707



4, 44.402, 304.099

Inverse Universe

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



59, 104.573, 333.532



59, 104.937, 333.830



89, 111.593, 131.168



50, 8.336, 328.447



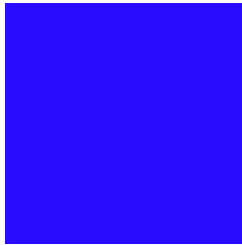
44, 84.659, 333.722



12, 39.392, 332.983

Previews

White Background



This preview shows how the CIELCh color 34, 130.841, 306.492 looks on a white background.

Color Contrast Check

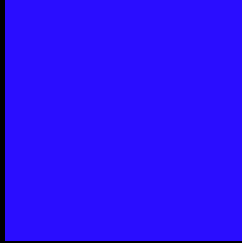
Large Text (above 18pt) WCAG AA ✓ Pass

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, 130.841, 306.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

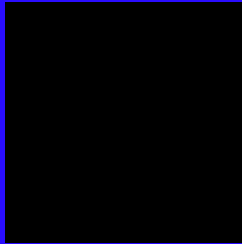
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 130.841, 306.492

Background



This preview shows how black text looks on a background with the CIELCh color 34, 130.841, 306.492.



This preview shows how white text looks on a background with the CIELCh color 34, 130.841, 306.492.

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, 130.628, 306.484

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 36.520, 271.201



Tritanopia
33, 22.423, 204.730

Trichromacy



Original Color
34, 130.628, 306.484

Protanomaly
31, 87.117, 299.928

Deuteranomaly
30, 77.006, 297.909

Tritanomaly
29, 58.172, 292.522

Monochromacy



Original Color
34, 130.628, 306.484

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 57.962, 303.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 130.841, 306.492 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(42, 13, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 13, 255)  
}
```

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(42, 13, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 13, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 130.841, 306.492 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(42, 13, 255) }
```

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

```
.border{ border-color:rgb(42, 13, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 13, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 13, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 13, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 13,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 130.841, 306.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 13, 255) }
```

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

```
.background{ background-color: rgb(42, 13,  
255) }
```

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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