

Converting Colors

CIELCh(36, 123.734, 304.647)

Have a look what the booklet for
CIELCh(36, 123.734, 304.647)
contains.

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Color

CIELCh(36, 123.722, 304.657)

Conversions

Conversions Part 1

Format	Color
Hex	2127FF
RGB	33, 39, 255
RGB Percent	13%, 15%, 100%
CMY	0.8724, 0.8465, 0.0000
CMYK	0.87, 0.85, 0.00, 0.00
HSL	238°, 100%, 56%
HSV	238°, 87%, 100%
XYZ	19.4204, 9.0082, 95.4703
YIQ	61.8300, -72.9120, 65.9040

Conversions

Conversions Part 2

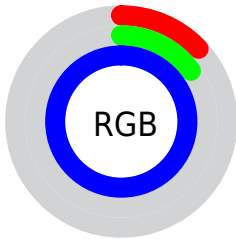
Format	Color
R _Y B	33, 39, 255
Decimal	2172927
CIE Lab	36.00, 70.36, -101.77
CIE LCh	36, 123.722, 304.657
Yxy	9.0082, 0.1567, 0.0727
Android (android.graphics.Color)	4280363007 (0xFF2127FF)
YUV	61.8300, 95.2328, -25.2839
Hunter-Lab	30.0136, 62.9751, -167.5861

Details

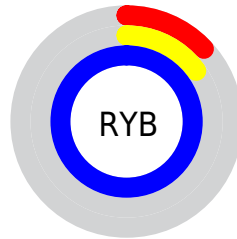
The CIELCh color **36, 123.722, 304.657** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **95, 91.686, 101.348**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 93.339, 304.781**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 131.431, 305.873**, and if you desaturate by 10%, it is **41, 111.248, 302.738**.

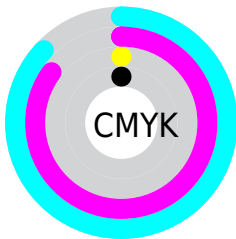
Distribution



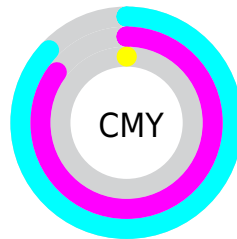
- Red (13%)
- Green (15%)
- Blue (100%)



- Red (13%)
- Yellow (15%)
- Blue (100%)



- Cyan (87%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (85%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 123.722, 304.657 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 36, 123.722, 304.657 by changing the saturation by 10% instead.


 36, 123.722,
304.657


 36, 123.722,
304.657


 100, 123.722,
304.657


 26, 123.722,
304.657


 56, 123.722,
304.657


 16, 123.722,
304.657


 66, 123.722,
304.657

 6, 123.722,
304.657

 76, 123.722,
304.657

 0, 123.722,
304.657

 86, 123.722,
304.657

 96, 123.722,
304.657

■ 36, 123.722,
304.657

■ 36, 123.722,
304.657

■ 33, 131.431,
305.873

■ 41, 111.248,
302.738

■ 33, 132.653,
306.048

■ 47, 96.387,
300.453

■ 54, 80.790,
298.121

■ 62, 65.359,
295.945

■ 70, 50.441,
294.015

■ 78, 36.124,
292.349

■ 86, 22.400,
290.931

■ 94, 9.229, 289.734

100, 0.012,
296.813

Harmonies

Complementary

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



36, 123.722, 304.657



95, 91.686, 101.348

Rectangle

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



36, 123.722, 304.657



36, 123.722, 354.657



36, 123.722, 124.657



36, 123.722, 174.657

Sweetspot

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



36, 123.645, 304.656



79, 34.388, 292.160



91, 50.300, 191.908



39, 23.480, 292.697



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



36, 123.645, 304.656



33, 132.653, 306.048



44, 118.914, 311.640



49, 7.276, 289.987



23, 106.443, 305.944



4, 43.183, 301.265

Inverse Universe

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



55, 94.763, 35.354



53, 103.421, 39.189



91, 102.975, 125.816



49, 5.253, 17.535



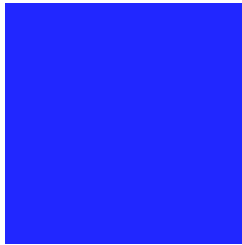
40, 82.921, 38.847



10, 33.123, 25.987

Previews

White Background



This preview shows how the CIELCh color 36, 123.722, 304.657 looks on a white background.

Color Contrast Check

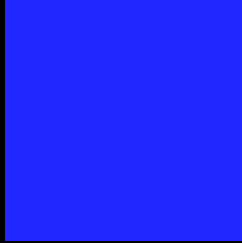
Large Text (above 18pt) WCAG AA ✓ Pass

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 36, 123.722, 304.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

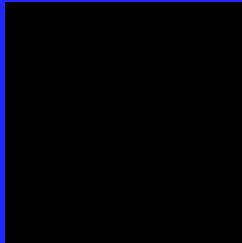
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 123.722, 304.657

Background



This preview shows how black text looks on a background with the CIELCh color 36, 123.722, 304.657.



This preview shows how white text looks on a background with the CIELCh color 36, 123.722, 304.657.

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

36, 123.692, 304.681

Protanopia

35, 54.929, 285.724

Deuteranopia

35, 38.102, 271.635

Trichromacy



Original Color
36, 123.692, 304.681

Protanomaly
34, 82.270, 297.278

Deuteranomaly
34, 71.349, 294.481

Monochromacy



Original Color
36, 123.692, 304.681

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 50.368, 298.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 123.722, 304.657 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, 39, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 39, 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(33, 39, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 39, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 123.722, 304.657 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, 39, 255) }
```

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

```
.border{ border-color:rgb(33, 39, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 39, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 39, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 39, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 39,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 123.722, 304.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 39, 255) }
```

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

```
.background{ background-color: rgb(33, 39,  
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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