

Converting Colors

CIELCh(36, 124.717, 305.009)

Have a look what the booklet for
CIELCh(36, 124.717, 305.009)
contains.

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Color

CIELCh(36, 124.289, 304.979)

Conversions

Conversions Part 1

Format	Color
Hex	2725FF
RGB	39, 37, 255
RGB Percent	15%, 15%, 100%
CMY	0.8478, 0.8538, 0.0000
CMYK	0.85, 0.85, 0.00, 0.00
HSL	240°, 100%, 57%
HSV	240°, 85%, 100%
XYZ	19.5982, 9.0082, 95.5714
YIQ	62.4500, -68.7860, 68.2220

Conversions

Conversions Part 2

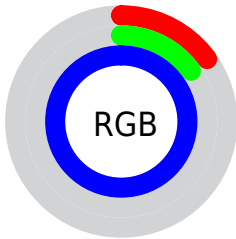
Format	Color
R _Y B	39, 37, 255
Decimal	2565631
CIE _{Lab}	36.00, 71.25, -101.84
CIE _{LCh}	36, 124.289, 304.979
Y _{xy}	9.0082, 0.1578, 0.0725
Android (android.graphics.Color)	4280755711 (0xFF2725FF)
Y _{UV}	62.4500, 94.9271, -20.5656
Hunter-Lab	30.0136, 64.0324, -167.7859

Details

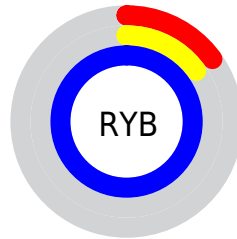
The CIELCh color **36, 124.289, 304.979** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **97, 92.871, 103.531**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 93.845, 305.354**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 131.786, 306.024**, and if you desaturate by 10%, it is **41, 111.620, 303.218**.

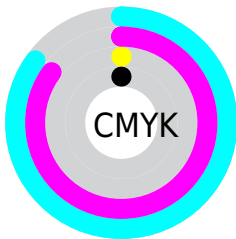
Distribution



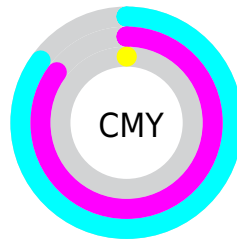
- Red (15%)
- Green (15%)
- Blue (100%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 124.289, 304.979 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, 124.289, 304.979 by changing the saturation by 10% instead.


 36, 124.289,
304.979


 36, 124.289,
304.979


 100, 124.289,
304.979


 26, 124.289,
304.979


 56, 124.289,
304.979


 16, 124.289,
304.979


 66, 124.289,
304.979

 6, 124.289,
304.979

 76, 124.289,
304.979

 0, 124.289,
304.979

 86, 124.289,
304.979

 96, 124.289,
304.979

■ 36, 124.289,
304.979

■ 36, 124.289,
304.979

■ 33, 131.786,
306.024

■ 41, 111.620,
303.218

■ 32, 133.786,
306.301

■ 47, 96.442,
301.080

■ 55, 80.456,
298.886

■ 63, 64.618,
296.837

■ 71, 49.303,
295.019

■ 79, 34.612,
293.452

■ 87, 20.538,
292.119

■ 96, 7.044, 290.996

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, 124.289, 304.979



97, 92.871, 103.531

Rectangle

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



36, 124.289, 304.979



36, 124.289, 354.979



36, 124.289, 124.979



36, 124.289, 174.979

Sweetspot

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



36, 124.154, 304.977



79, 35.507, 293.543



91, 48.888, 196.456



39, 24.249, 294.063



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, 124.154, 304.977



32, 133.786, 306.301



45, 116.815, 312.484



49, 7.504, 291.435



23, 107.746, 306.307



3, 44.144, 301.901

Inverse Universe

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



61, 111.062, 328.364



60, 114.929, 328.515



91, 102.922, 126.842



50, 9.014, 325.133



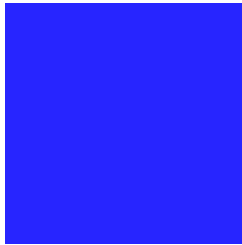
45, 92.577, 328.511



12, 42.618, 328.477

Previews

White Background



This preview shows how the CIE LCh color 36, 124.289, 304.979 looks on a white background.

Color Contrast Check

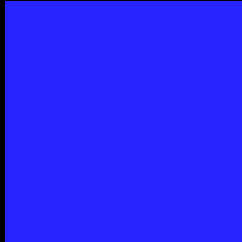
Large Text (above 18pt) WCAG AA ✓ Pass

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, 124.289, 304.979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

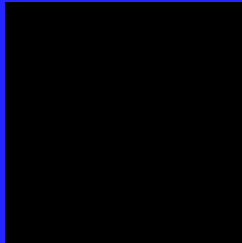
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 124.289, 304.979

Background



This preview shows how black text looks on a background with the CIELCh color 36, 124.289, 304.979.



This preview shows how white text looks on a background with the CIELCh color 36, 124.289, 304.979.

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, 124.254, 305.007

Protanopia

35, 54.929, 285.724

Deuteranopia

35, 38.102, 271.635



Tritanopia
35, 23.418, 202.709

Trichromacy



Original Color
36, 124.254, 305.007

Protanomaly
34, 82.898, 297.602

Deuteranomaly
33, 71.999, 294.899

Tritanomaly
32, 51.298, 286.718

Monochromacy



Original Color
36, 124.254, 305.007

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 50.921, 299.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 124.289, 304.979 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(39, 37, 255)` looks like.

```
.text, #text, p{  
    color:rgb(39, 37, 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(39, 37, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 37, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 124.289, 304.979 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(39, 37, 255) }
```

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

```
.border{ border-color:rgb(39, 37, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 37, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 37, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 37, 255);  
box-shadow:4px 4px 4px 4px rgb(39, 37,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 124.289, 304.979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 37, 255) }
```

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

```
.background{ background-color: rgb(39, 37,  
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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